

AMERICAN JOURNAL OF OPHTHALMOLOGY

THIRD SERIES FOUNDED BY EDWARD JACKSON

VOLUME 28, 1945

EDITORIAL STAFF

DERRICK T. VAIL, Editor-in-Chief

WILLIAM H. CRISP, Consulting Editor

LAWRENCE T. POST, Consulting Editor

WILLIAM L. BENEDICT

DONALD J. LYLE

FREDERICK C. CORDES

IDA MANN

SIR STEWART DUKE-ELDER, BRIG.

RALPH H. MILLER, MAJOR (MC)

EDWIN B. DUNPHY

A.U.S. (on active duty)

HARRY S. GRADLE

ALGERNON B. REESE

S. RODMAN IRVINE, MAJOR (MC),
A.U.S. (on active duty)

M. URIBE TRONCOSO

F. E. WOODRUFF

ALAN C. WOODS

EMMA S. BUSS, Manuscript Editor

COLLABORATORS

CHARLES A. BAHN, *New Orleans*; F. M. CRAGE, *Chicago*; BEULAH CUSHMAN, *Chicago*; RAY K. DAILY, *Houston, Texas*; RALPH W. DANIELSON, *Denver*; MORRIS DAVIDSON, *New York*; OWEN C. DICKSON, *Berkeley, California*; RUDOLPH GRUNFELD, *Brooklyn*; F. HERBERT HAESSLER, *Milwaukee*; JOSEPH IGERSHEIMER, *Boston*; CARL D. F. JENSEN, *Seattle*; MELCHIORE LOMBARDO, *Brooklyn*; JOHN C. LONG, *Denver*; J. WESLEY MCKINNEY, *Memphis, Tennessee*; BENJAMIN MILDEN, *Saint Louis*; PLINIO MONTALVÁN, *Havana, Cuba*; FRITZ NELSON, *Colorado Springs, Colorado*; EDNA M. REYNOLDS, *Denver*; EDWARD SASKIN, *Brooklyn*; ROBERT N. SHAFFER, *San Francisco*; THEODORE M. SHAPIRA, *Chicago*; PHILLIPS THYGESEN, *New York*.

PUBLISHED BY THE OPHTHALMIC PUBLISHING COMPANY

837 Carew Tower, Cincinnati 2, Ohio

PLATES IN VOLUME 28, 1945

	<i>Page</i>
Plate 1 (colored)—Figure 1, Rubeosis iridis diabetica. F. Bruce Fralick	facing 123
Plate 2 (colored)—Figures 1, 2, 3, Trachoma virus and the morphology of inclusion bodies. A. Loewenstein	facing 243
Plate 3 (colored)—Figure 1, Ariboflavinosis. Ida Mann	facing 244
Plate 4 (colored)—Figure 2, Ariboflavinosis. Ida Mann	facing 245
Plate 5 (black and white)—Figures 4b, c; 5a; 6; 8a, b, c, Trachoma virus and the morphology of inclusion bodies. A. Loewenstein	facing 284
Plate 6 (black and white)—Figures 5b; 8d; 9a, b, c; 10, Trachoma virus and the morphology of inclusion bodies. A. Loewenstein	facing 285
Plate 7 (colored)—Figure 5, Isolation and identification of causative agent in epidemic keratoconjunctivitis (superficial punctate keratitis) and herpetic keratoconjunctivitis. E. Maumenee, G. S. Hayes, and T. L. Hartman	facing 823
Plate 8 (colored)—Figures 1-7, Seven steps in the extraction of a lens dislocated into the vitreous. G. Bonaccolto	facing 1337

✓



*Medical
Wahr*

AUTHOR INDEX

Compiled by EMMA S. BUSS

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Page

123

243

244

245

284

285

823

1337

Abdulaev, G. G. (236).
Abreu Fialho, Sylvio de. (1188).
Abundio Alvaréz. (695).
Ackerman, R. L. (1388).
Adam, A. L., and Klein, M. (1057).
Adamiuk, V. E. (218).
Adams, P. E. H. 1365.
Adler, F. H. (566), (1171).
Adrian, E. D. (928).
Adrogué, Esteban, and Re, B. V. (427).
Agatston, S. A. (561), 906.
Alagna, C. (1060).
Alcaino, Alfredo. (793).
Alger, L. G. 730.
Allen, H. E. 784, 1276.
Allen, T. D. 77, 78, 81, 388, (689), (940), (1048).
Alpers, B. J., and Schlezinger, N. S. 1377.
Alpert, D. R. 64.
Alvarado, Pedro. (1044).
Alvaro, M. E. 497.
Alvis, B. Y. (348).
Ambrose, A., see Hughes, L. W.
Amenábar Prieto, Mario. (790).
Amendola, Francisco. (799).
Americano Freiere, S., and Rocha, H. (924).
Ameriso, José. (805).
Ames, Adelbert, Jr. 248.
Anquin, M. H. (935).
Anson, B. J. (573).
Anthony, E. W., see Ecker, A. D.
Aparisi, Tomás. (230).
Apple, Carl. 662, 1152.
Archangelsky, P. F. (1407).
Archangelsky, V. H. (235).
Argüello, D. M., and Tosi, B. (1057).
Armstrong, K. B., see Newson, A. L.
Arnau Maorad, Mariano. (1056).
Arqués, E., see Diaz-Dominguez, D.
Arruda, Jonas de. (102).
and see Paulo, A., Jr.
Arruga, H. (690), (1048).
Artigas, M., see Victoria, V. A.
Asbury, M. K. (110).
Ascher, K. W. 97.
Ashley, B. J. (930).
Atkinson, W. S. (924).
Attenborough, V. M. 74, 1031, 1366.
Aurenche, A., see Voisin, J.
Avtsin, A. P. (684).
Awerbach, M. I. (116), (1185).
and Ivanova, E. M. (1285).
Ayberk, N. F., see Nuri Fehmi Ayberk.
Aynsley, T. R. (1281).
Ayers, Francisco. (235).
Ayoub, J. E. M. (230).
Azar, Paul, see Dimitry, T. J.
Azarova, N. S. (1394).

Babudieri, B., and Bietti, G. B. (1389).
Badtke, Günther. (1395).
Bahn, C. A. (809).

Bailey, J. H. 537.
Bailliart, P. (1287).
Baird, M., see Clay, G. E.
Baker, C. A., see Drager, G. A.
Ballantyne, A. J. (561), (790).
and Loewenstein, A. (561), (691).
Baltin, M. M. (1185), (1298), (1407).
Bannon, S. L., and Higginbottom, R. M., Mc-
Connel, J. M., and Kaan, H. W. (788).
Baraf, A. A. 1372.
Barkan, Otto. 1133.
Barraquer Moner, J. I. (791).
Barrenechea, S., and Contardo, R. (1284).
Barton, P. N., see Biram, J. H.
Basar, Irfan. (564).
Basterra, Jesús. (447), (1048), (1054).
Batchelor, I. R. C., see Ironside, R.
Beard, H. H. 1149.
and Dimitry, T. J. 303.
Beccle, H. C., and Kitching, E. H. (930).
Becq, see Riser, P.
Bedell, A. J. 139, (235), 601, (1049).
Beigelman, M. N. 1263.
Beiras García, Antonio. (445), (1049).
Bellows, J. G. (218), (438), (688), (689), (788),
(925).
and see Struble, G. C.
Belmonte González, Nicolás. (446).
Bender, M. B., and Furlow, L. T. (1051),
(1052).
Benedict, W. L. (800).
and Iverson, H. A. (227).
Benkwith, K. B. (335).
Berens, Conrad. (227), (809), (1064).
and Fonda, G. (1172).
and Nilson, E. L. (437), (Cumming, E. L. N.)
1313.
Berke, R. N. (1184).
Berkove, A. B. (810).
Berman, Samuel. 769.
Bertotto, E. V. (100).
Bettman, J. W. 1323.
Bhaduri, B. N. (1402).
Bhat, P. K. (1286).
Bietti, G. B., see Babudieri, B.
Bilger, Izzet. (688).
Biram, J. H., and Barton, P. N. (574).
Birge, H. L. (1402).
Blake, P. M. (697).
Bland, J. O. W. (228), (1044).
and Wilson, R. P. (1280).
Blankenstein, S., see Simonson, E.
Blondis, R. R., see Scherling, S. S.
Bochever, E. M. (1407).
and see Strachov, V. P.
Bockoven, Sterling. 1264.
Bokstein, F. S. (1299).
Bonaccolto, G. 1335.
Bonfili, Amelis. (925).
and see Rocha, Hilton.
Bonser, W. H., see Theodore, F. H.

AUTHOR INDEX

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Bonsib, R. S. (810).
 Borley, W. E., and Tanner, O. R. **517**.
 Boshoff, P. H. (1178).
 and Grasset, E. (806).
 and Theron, J. J. (1175).
 Bowman, D. L. (1064).
 Brain, W. R. (444).
 Braley, A. E. (684), 1022.
 Braunstein, N. E. (1408).
 Brav, Aaron. (695).
 Bricker, R. M. (103).
 Brobeck, V. H. 327.
 Brodsky, B. S. (111), **1245**.
 Bromley, J. F., and Lyle, T. K. (801).
 Bronson, L. W., see Chamberlain, W. P.
 Brooks, Roosevelt, 663.
 Brown, A. M. (237).
 Brücher Encina, René. (422), (1285).
 Bruner, W. E. **297**, (568).
 Brunsting, L. A., see Sheard, C.
 Bryan, J. H. 329.
 Bulach. (1403).
 Burian, H. M. **407**, **525**, 673.
 and Ogle, K. N. 215, **735**, (1171).
 Burky, E. L. 1147.
 Burn, J. K. A., see Davidson, W. G.
 Burnet, E., Cuénod, A., and Nataf, R. (1280).
 Burr, E. G., see McEachern, D.
 Busacca, Archimede. (791).
 Busky, William. 766.
 Buschke, W., see Friedenwald, J. S.
 Bushmich, D. G. (1304).
 Butt, E., see Pierose, P.
 Byrnes, V. A. (810).

Caiado de Castro, Plinio. (1064).
 Caire, Lincoln. (688).
 Callahan, Alston. (341).
 Cameron, A. J. (810), (1278).
 Camino P., Carlos. (1281).
 Campbell, A. M. G., and Cross, A. G. (348).
 Campbell, D. A. (796).
 Campbell, D. R., see Galpine, J. F.
 Campos, Evaldo. (111), (925).
 Cañamares Mareno, S. (1048).
 Carelli, Paul. 411.
 Carey, E. J., see Simonson, S.
 Carlborg, Uno. 553.
 Carlisle, J. M. (811).
 Carr, C., see Visscher, M. B.
 Carr, E. F., (574).
 Carreras, B. (218).
 Carroll, F. D. **373**, (572), **636**, (694).
 Carson, L. D. (802).
 Carter, E. E., see Faulkner, S. H.
 Casanovas, J. (1045).
 Case, T. J., see Perlman, H. B.
 Castañó Decoud, D. D'A. de. (931).
 Castillo, J. L. (932).
 Castroviejo, Ramón. (432).
 Cerboni, F. C., and Diez, M. A. (1051).
 Chace, R. R., see Hardy, L. H.
 Chaikovskaya, M. J., see Raeva, N. V.
 Chaikovskii, V. K., see Svatikova, A. G.
 Chamberlain, W. P., and Bronson, L. H. (935).
 Chan, Eugene. (1282), (1294), (1304), (1395).
 Chance, Burton. (574), (1064).

Chandler, P. A. **355**, (697).
 Charlin C., Carlos. (1291).
 Cherkasky, E. B. (342).
 Chesney, A. M., and Woods, A. C. (432), (433).
 Chi, Hsiu-Hsian. (1304).
 Chouké, K. S. **50**.
 Chutko, M. B. (1169).
 and see Poliak, B. L.
 Clapp, C. A. **617**, (938).
 Clark, Ivor. (1064).
 Clay, G. E. and Baird, M. (335).
 Cockburn, Charles. (434).
 Cogan, D. G. (342), (936).
 and Grant, W. M. (802).
 and Hirsch, E. O. (423).
 Cohen, L. B., see Fry, W. E.
 Cohen, Martin. (564).
 Cole, W. T. S., Hamilton-Paterson, J. L., and Sorsby, A. (925).
 Contardo, R., and Peralta, G. A. (1288).
 and see Barrenechea, S.
 Cordes, F. C. (218), (340), (423).
 and see Hogan, M. J.
 Cory, J. W. E. 322.
 Coscarelli, Ennio. (938).
 Costenbader, F. D. 206, **754**, 1123, 1264.
 Costi, Carlos. (447).
 Couadau, see Riser, P.
 Coverdale, Howard. (1052).
 Covitz, E. E. 1154.
 Cowan, Alfred. 1385.
 Cox, R. A. 207, (565), 1266.
 Cragg, B. H., see Gordon, S.
 Crawford, H. E. (217).
 Crawford, J. S., Shagass, C., and Pashby, T. J. **1220**.
 Crawford, R. A. D. 322, (1299).
 Crawford, Robert. (233).
 Crawford, T., and King, E. F. (219).
 Crisp, W. H. 1, 91, (116), 214, 333, (349), 419, 528, 670, 778, 921, 1039, 1165, 1269.
 Cross, A. G., see Campbell, A. M. G.
 Crowe, M. P. (224).
 Cruise, Sir Richard. 1365.
 Csapody, István. (1405).
 Cuénod, A., see Burnet, E.
 Cumings, J. N., and Sorsby, A. (447).
 Cumming, E. L. N., see Berens, Conrad.
 Cushman, Beulah. (678), 766.
 Cutler, M. H. 663.

Da Luz, Barbosa. (225).
 Dandy, W. E., see Walsh, F. B.
 Danielson, R. W., see Long, J. C.
 Darius, D. J. **1007**.
 Darley, W. G. (811).
 Darr, L. P. **898**.
 Dashevskii, A. I. (1388), (1409).
 Da Silva, M. A. **398**, 765.
 Davenport, R. C. (811).
 Davidson, M. 769, 771, 773, 775, **856**.
 Davidson, W. G., and Burn, J. K. A. (803).
 Davis, W. T. 204, (682).
 Dean Guelbenzu, D. M. (1058).
 Deems, Meyers. 762, 763.
 Deik, S., see Santos, E. ♀
 DeLong, Perce, see Spaeth, E. G.

AUTHOR INDEX

v

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

- Devlin, P. J. (937).
- DeVoe, A. G. **1346**.
- Diachkov, S. A. (1186).
- Díaz-Domínguez, D., and Arqués, E. (231).
- Díez, M. A., see Cerboni, F. C.
- Di Grandi, J., see Von Sallmann, Ludwig.
- Dilthey. (1390).
- Dimitry, T. J., and Azar, Paul. **62**.
and Lombardo, R. T. **902**.
and see Beard, H. H.
- Disler, N. N. (217).
- Dobyns, B. M. (1295).
- Dobbs, G. E. (348).
- Domínguez, R., see Jacobi, M. W.
- Donegan, J. M. 80.
- Downing, A. H. (811).
- Drager, G. A., and Baker, C. A. (1069).
- Drell, M. J. **541**, 542, 543.
- Drews, L. C. **1138**.
- Drinker, Philip. (1409).
- Dryden, J. S. (1265).
- Dublin, G. J. 83.
and see Klauder, J. V.
- Duke-Elder, Sir Stewart. (349).
- Duncan, H. A. G. (1173).
and see Wright, R. E.
- Dunnington, J. H. (690).
and Von Sallmann, L. (676).
- Dysart, B. R. (1060).
- Dyson, C., see McCulloch, R. J. P.
- Ecker, A. D., and Anthony, E. W. (793).
- Ecklund, E. M. 1024, 1025.
- Edgerton, A. E. (1414).
- Eggers, Harry, **318**, (675), **1015**.
- Eigler, C. O. 529.
- Elles, N. B. **486**, (932).
- Ellett, E. C. 530, 536, 758, 759, 760, 1037, 1376, 1377.
- Elliot, A. J. (427), (435).
- Ellis, V. M. 88.
and see Langdon, H. M.
- Endicott, K. M., see Heppel, L. A.
- Engel, G. L., and others. (106).
- Erschkovich, I. G. (111).
- Esplidora-Luque, C. (1288).
and O'Reilly, G., and Manns, E. (1286).
- Esposito, A. C. **1362**.
- Esteban, Mario. (438).
- Esterman, Benjamin. **782**.
- Evans, A. L., see Vorisek, E. A.
- Fabricant, N. D. 666.
- Fanta, H. (1409), (1415).
- Farnell, F. J. (938).
- Faulkner, S. H., Scully, E., and Carter, E. E. (225).
- Feldman, J. B. (217).
- Feldman, L. L., and Shartz, S. E. (1395).
- Felkel, R. K., and Glowatzky, F. (1405).
- Ferrer, Hector. (228).
- Figueiredo, N. P. de. (99), (565), (1293).
- Filatov, V. P. (1042), (1278), (1403).
- Finch, E. M., see Lee, R. H.
- Fink, W. H. **403**, **701**, (1044), (1168).
- Fisher, J. A. **1014**.
- Fitzgerald, J. R. 412, 413.
- Flecker, H. (565).
- Florey, M. E., McFarlan, A. M., and Mann, I. (1296).
- Folk, M. R. 1150, 1151.
- Fonda, G., see Berens, Conrad.
- Fonte Barcena, Anselmo. (1053).
and see Puig Solanes, M.
- Ford, Rosa. (337).
- Fornes Peris, Enrique. (448).
- Fortner, E. N. (1064).
- Foster, John. (340), 652, (683), (812).
and see Loewenstein, A.
- Fralick, F. B. **123**, (938).
- Frey, Guernsey. 1275.
- Fridman, S. J. (1175).
- Fried, J. J. 646.
- Friedenwald, J. S. (435).
and Buschke, W. (434), (555).
and Hermann, H., and Moses, R. (435).
- Fries, E. B. (1065).
- Fry, W. E. 89.
and Cohen, L. B. 911.
- Furlow, L. T., see Bender, M. B.
- Gaetjens, A. K. (1189).
- Gaines, S. R. (334).
- Gallego Fernandez, Antonio. (678), (697).
- Galpine, J. F., and Campbell, D. R. (228).
- Galton, E. M. G. (434).
- Gálvez Bunge and Moraschi. (1409).
- Gamble, R. C. 79.
- Gans, J. A. (439).
- Garduno, E., see Puig Solanes, M.
- García Márquez, E., see Sánchez Mosquera, M.
- García Nocito, P. F., and Zubillaga, J. B. (1058), (1397).
- Gardiner, P. A. (429).
- Garrow, A., see Loewenstein, A.
- Gartner, Samuel. 415, (685).
- Gasteiger, H. (1399).
- Gellhorn, E., and Levin, J. (938).
- Genne, M. P., see Svatikova, A. G.
- Géraud, see Riser, P.
- Giardulli, Antonio. (1279).
- Gibson, G. G. 914.
- Gifford, Harold, Jr. (695).
- Gillespie, D. R., see Henderson, J. W.
- Ginsberg, M., and Robson, J. M. (1043).
- Gipner, J. (1277).
- Girault-Dangely, Y. (1288).
- Giri, D. V. **651**, (797).
- Givner, Isadore. (1182).
- Glantz, Otto. (1392).
- Glowatzky, Franz. (1405).
and see Felkel, R. K.
- Goar, E. L., and Potts, C. R. (1046).
- Goldberg, H. D. (1176).
- Goldberg, S., and Newell, F. W. (103).
- Goldenberg, A. Z. (1410).
- Goldsmith, A. J. B. (568), (1056).
- Goldsmith, H. J. B. 1366.
- Golitsyn, N. D. (342).
- Gomes, Pereira. (1061).
- Gonçalves, Paiva. (107), (567).
- Goodhart, P. S. 75.
- Goodhill, V. (107).
- Goodman, E. L. 206.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Goodsitt, E. **1256.**
 Gordon, B. L. **94.**
 Gordon, S., and Cragg, B. H. (340).
 Gover, M., and Yaukey, J. B. (575).
 Gözcü, N. I. (235), (558).
 and Orgen, C. (1049).
 Gradle, H. S. (117), (811), (1054).
 and Sugar, H. S. (439).
 Grant, H. **V⁷ 472**, (930).
 Grant, W. M., see Cogan, D. G.
 and see Kinsey, V. E.
 Grasset, E., see Boshoff, P. H.
 Graue, Enrique, Jr. (940), (1065).
 Gray, C. C., and Moor, W. A. **180.**
 Gray, H. (696).
 Greear, J. N., Jr. (812).
 Green, M. I. (937).
 and Jakobovits, Rafael. **191.**
 Greeves, R. A. (105).
 Gregory. (806).
 Gregory, P. W., see Regan, W. W.
 Grossman, E. E. (1178).
 Grünwald S., Enrique. (797).
 Grüter, Wilhelm. (231).
 Gukasian, M. G. (1404).
 Gurley, L. M., Jr. (686).
 Gutmann, Adolfo. (1049).
 Gutzeit, E. E. (349).
 Guy, L. P., see Hughes, W. L.
 Guyton, J. S. (1046), (1179).

Haas, J. S. **1372.**
 and see Kronfeld, P. C.
 Haden, H. C. **943.**
 Hague, E. B. **886.**
 Halliday, J. C., see Lawes, F. A.
 Halperin, M. M., see McFarland, R. A.
 Hamilton, J. B. (350).
 Hamilton-Paterson, J. L., see Cole, W. T. S.
 Hammes, E. M. (106).
 Hansel, F. K. (1188).
 Hardesty, J. G. 328.
 Hardy, Guerdan. (694).
 Hardy, L. H. (1391).
 and Chace, R. R., and Wheeler, M. C. (1172).
 and Rand, Gertrude. (679).
 Harley, R. D., and Kaiser, R. F. **1309.**
 Harman, N. B. (680).
 Harner, C. E., see Smith, J. G.
 Harris, H. J. (806), 1021.
 Harrison, G. H. (1189).
 Hart, J. L. (1291).
 Hartman, D. C. (1148).
 Hartman, T. L., see Maumenee, A. E.
 Hartmann, Edward. (694).
 Hayes, S. H., see Maumenee, A. E.
 Hayes, W. M. (1054).
 Hayne, J. H. **910.**
 Hearon, Eleanor. (813).
 Heath, Parker. **418.**
 and Zuelzer, W. W. (806).
 Hecht, Selig. (680).
 Heerma, J. C. (925).
 Heidelman, J. M. (1397).
 Henderson, J. W., and Gillespie, D. R. **1236.**
 Hendricks, L. J. (696).

Heppel, L. A., Neal, P. A., Endicott, K. M., and Porterfield, V. T. (569).
 Herraiz Ballesteros, Leopoldo, and Jolly, C. H. (430).
 Herrmann, H., and Moses, S. G. (1054), (1069).
 and see Friedenwald, J. S.
 Hess, Leo. (100), (1178).
 Hess, W. N. (1069).
 Hessberg, R. J. (570).
 Higginbottom, R. M., see Bannon, S. L.
 Hilding, A. C. **871, 900.**
 Hill, B. G., see Williams, J. L. D.
 Hillman, C. C. (575).
 Hine, M. L. (439), 1031.
 Hirsch, E. O., see Cogan, D. G.
 Hoffa, E. E., see Sorsby, Arnold.
 Hogan, M. J., and Cordes, F. C. (572).
 Höhr Castan, Jose. (1045).
 Holmes, L. F., see Leopold, I. H.
 Holt, Helen, 910, 911.
 Horick, E. J. 1151.
 Horwitz, David. 766, 1368.
 Hughes, E. B. C. (801).
 Hughes, W. F., Jr., and Owens, W. C. **40,** (335).
 Hughes, W. L. (225), 769, 771, 773, 774, 775, **980, 1203.**
 and Ambrose, A. (801).
 and Guy, L. P., and Romaine, H. H. (558).
 Hurst, Hazel. (1190).

Igersheimer, Joseph, 1261.
 Ingham, H. V., see Somberg, H. M.
 Ironside, R., and Batchelor, I. R. C. (794).
 Irvine, S. R. 1158.
 and Maury, F., Schultz, J., Thygeson, P., and Unsworth, A. **852.**
 Isola, W., and Osimani, J. J. (573).
 Ivanova, E. A. (1395).
 Ivanova, E. M. (1299).
 and see Awerbach, M. I.
 Iverson, H. A., see Benedict, W. L.
 Jackson, Harvey. (340), (444).
 Jacobi, M. W., and Dominguez, R. (231).
 Jakobovitz, Rafael, see Green, M. I.
 Jameson, W. A. 551.
 Jeancou, E. C. 904, 1263.
 Jiménez Alménara, J., see Pérez Llorca, J.
 Johansson, Ernst. (1393).
 Johnson, C. D. 1028, 1029.
 Johnson, L. V. **1260.**
 Jolly, C. H., see Herraiz Ballesteros, Leopoldo.
 Jones, I. H., Muckleston, H. S., Lewis, E. R., and Owen, G. R. (1303).
 Juler, F. A. 1032.
 and Young, M. Y. (1174).

Kaan, H. W., see Bannon, S. L.
 Kaiser, R. F., see Harley, R. D.
 Kalfa, A. B. (1393).
 Kalfa, S. F. (1410).
 Kamellin, Samuel, 909, **993**, (1392).
 Kaminskaya, Z. A. (1180).
 Kaminski, D. S. (1396).
 Karandasheva, K. M. (111).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Katznelson, A. B. (112), (237), (1396), (1410).
 Kaye, Herbert. (683).
 Kayser, B. (1399).
 Kautz, F. G., and Schwartz, I. (1045).
 Kekcheyev, K. (221).
 Kestenbaum, Alfred. 74.
 Keyes, J. E. L. (926), (1278).
 and Queen, F. B. 189.
 Kindred, J. E. (797).
 King, E. F. (570).
 and see Crawford T.
 Kinsey, V. E., and Grant, W. M. (99).
 Kino, F. F. (428).
 Kirby, D. B. (1054), (1404).
 Kitching, E. H., see Beccle, H. C.
 Klauder, J. V., and Dublin, G. J., 1379.
 Klachko, M. L. (1410).
 Klein, M., see Adam, A. L.
 Klien, B. A. 767, 1193.
 Knapp, Arnold. (562).
 Knapp, A. A. (680).
 Knapp, F. N. (219), (676).
 Knott, L. W., see Sievers, J. J.
 Koch, F. L. P. 160, (575), 1146, (1168).
 Kohut, H., and Richter, R. B. (795).
 Kolen, A. A. (107), (1300).
 and Shereshevskaja, G. M. (1289).
 Kolenko, A. B. (1393).
 Kolychev, N. N. (1300), (1411).
 Kopil-Levina, Z. A. (1285).
 Kornzweig, A. L. 414.
 Kortemeier, E. F. 764.
 Kosena, E. G. (233).
 Kraffa, Joseph, Jr. (797).
 Krakov, C. V. (350).
 Kramer, B. S. 648.
 Krasnov, M. L. (112), (1411).
 Krause, A. C., and Rosenberg, W. (107).
 Kravitz, Daniel. (437), 648.
 and Stockfisch, R. H. 596.
 Kravkov, S. V., and Mursin, A. N. 363.
 Kreiker, A. (1400).
 Krewson, W. E. B. (225).
 Krol, A. G. (112), (343), (1183), (1186), (1411).
 Kronenberg, Bernard. 647.
 Kronfeld, P. C. 34, (558), 1373.
 and Haas, J. S. (785).
 and McGarry, H. I. (438).
 Krugly, A. (1289).
 Krutova, A. H. (98).
 Kuhn, H. S. (813).
 Laird, R. G. 287, (563).
 Lake, M. M. (350).
 La Motte, W. O., Jr., see Leopold, I. H.
 Laborne Tavares, C. (807).
 and Tarisco Castro, J. (801).
 Lambrecht, Paul. 1371.
 Lancaster, W. B. 96, (222), (1415).
 Langdon, H. M., and Ellis, V. M., and Mulberger, R. D. 86.
 and Mulberger, R. D. 639.
 La Rocca, V. 183.
 Laughlin, E., see Swan, K. C.
 Lauterstein. (1393).
 Laval, Joseph. (1404).
 Lavery, F. S. (929).
 Lavity, see Riser, P.
 Law, F. W. (424), (799), (813).
 Lawes, F. A., and Halliday, J. C. (102).
 Lawson, Arnold. (440).
 Layton, B. D. B., see McEachern, D.
 Learsy, C. A. 78.
 Lee, F. M. (1282).
 Lee, R. H., Finch, E. M., and Pounds, G. A. (1049).
 Leech, V. M. 400, 1029.
 Lehrfeld, Louis, 1386.
 Lemoine, A. N., Jr. 1155.
 Lemos Torres, Ulysses. (798).
 Lenz, Maurice. 907.
 Leopold, I. H. (926).
 and Holmes, L. F., and La Motte, W. O., Jr. (232).
 and La Motte, W. O. (676), 1377.
 and Steele, W. H. (1389).
 Leo Ortin, G. (238).
 Levin, J., see Gellhorn, E.
 Lewis, E. R., see Jones, I. H.
 Lewis, L., see Schneider, R. W.
 Lewis, P. M. 531, 532, 756, 1376.
 Liang, S. C. (1303).
 Lijó Pavía, Justo. (104), (112), (440).
 and Morate, F. H. (102).
 Lillie, W. I. 658, (1168).
 Livingstone, P. C. (335), (338), (441), (814).
 Livramento Prado, Durval. (793).
 Lloyd, R. I. 725, (1169).
 Lobeck, E. (1401).
 Lodge, W. O. (1058).
 Loewenstein, Arnold. 282, (814), (1051).
 and Garrow, A. (563), 840.
 and Foster, J. (1176).
 and see Ballantyne, A. J.
 Loewenthal, L. J. A. (930).
 Lombardo, R. T., see Dimitry, T. J.
 Long, A. E., 187.
 Long, J. C., and Danielson, R. W. (1400).
 Lopes, O. de C. 95.
 López Enriquez, M. (238), (691).
 Lo-Presti, Joseph. (1190).
 Lorente Buesa, Marcelo. (446).
 Lorenz, R. (1393).
 Lucic, Hugo. 965.
 Luis Fernández, L., see Sverdlick, J.
 Lujinsky, G. F. (1171).
 Lutman, F. C. 216.
 and Neel, J. V. (1179).
 Lyle, D. J. (104), 922, (1169).
 Lyle, T. K., see Bromley, J. F.
 Lyons, Benjamin, 1370.
 Lytton, H. (1297).
 McAreevey, J. B. (927).
 McConnell, J. M., see Bannon, S. L.
 McCullagh, E. P., see Schneider, R. W.
 McCulloch, Clement. 1115.
 McCulloch, R. J. P., and Dyson, C. (932).
 MacDonald, A. E. (334), (336).
 McEachern, D., Layton, B. D. B., and Burr, E. G. (222).
 McFarlan, A. M., see Florey, M. E.
 McFarland, R. A., Halperin, M., and Niven, J. (426).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

McGarry, H. I. (1047).
and see Kronfeld, P. C.

McGregor, I. S. (1050).
Guire, W. P., and Raffetto, E. C. (570).
ay, E. D. (1295).
inney, J. W. 535, 756, 757, 1374, 1375.
Nair, S. S. (430).

macNeal, W. J. 1022.

Macgregor, I. S. (691).

Mackay, E. D. 1017.

Madi, R. J. 78.

Madigan, L. F., see Ogle, K. N.

Maffrand, R. A., see Strada, F.

Magder, H. (1398).

Maggi Zavalia, J., Zurbriggen, M. B., and Russo, O. (108).

Malbrán, Jorge. (677), (1045).

Malbrán, J. L. 1393.
and see Vidal, F.

Mangiarcine, A. B. 1153.

Mann, Ida. 243, (343).

and Pirie, A. (1049).
and see Florey, M. E.

and see Pullinger, B. D.

Mann, W. A. 451, (575), (929).

Manns, E., see Espildora-Luque, C.

Mao, W. S. (1283).

Marburg, Otto. (441).

Margolin, E. J. (1184).

Marin Amat, Manuel. (446).

Marshall, J. C. (336).

Martin, H., and Reese, A. B. (1406).

Martini Z., Italio. (1295).

Masters, R. J. 664.

Matthews, J. L. 1264.

Matthews, W. R. (219).

Maumenee, A. E., Hayes, G. S., and Hartman, T. L. 823.

Mayer, L. L. (222).
and see Wolfe, O. R.

Maury, Frank, see Irvine, S. R.

Mead, S. W., see Regan, W. W.

Medvedev, N. I. (1183), (1184).

Meitner, H. J., see Trendelenburg, W.

Mendia, J. A., see Quiroga, M. I.

Mereweather, E. R. A. (814).

Mescheriakova, A. V. (1280).

Messenger, H. C. (1303).

Meyer, K., see Von Sallmann, Ludwig.

Meyer, S. J., and Sternberg, P. (786), (1179).

Meyers, R. H. 532.

Meyran, Jorge. (937).

Michaelson, I. C. (341), (344), (1277).

Miao, Tien-Yung. (1277).

Mietus, C. A. 173.

Miller, M. E. (932).

Miller, R. B. (1183).

Milner, J. G. (424).

Minton, Joseph. (814).

Mitzkevich, L. D. (344).

Moehle, Walter. 201, 377.

Moffatt, P. McG. (444).

Mohney, J. B., see Morgan, M. W., Jr.

Moncreiff, W. F., and Scheribel, K. J. 1212.

Moor, W. A., see Gray, C. C.

Moraes, Rolim de. (927).

Moraschi, see Gálvez Bunge.

Morate, F. H., see Lijó Pavía, Justo.

Moreu, Angel. (220), (441), (1047), (1170).

Morgan, M. W., Jr., Mohney, J. B., and Olmsted, J. M. 749.

Morgenstern, D. J. (109), 538.

Moses, J., see Schneider, R. W.

Moses, R., see Friedenwald, J. S.

Moses, S. G., see Herrmann, H.

Muckleston, H. S., see Jones, I. H.

Mulberger, R. D., see Langdon, H. M.

Muldoon, W. E. 1340.

Mullen, C. R. 912.

Mulvany, J. H. (444).

Mumford, E. W. (815).

Muraviev, B. G. (344).

Murphy, P. J., and Schlossberg, L. (567).

Murray, Elsie. (929).

Murray, Michael. (815).

Mursin, A. N., see Kravkov, S. V.

Mutch, J. R. (109).

Myers, R. H. 1374.

Nataf, R., see Burnet, E.

Natale, Amadeo. (940).

Neal, P. A., see Heppel, L. A.

Neame, Humphrey. 650, (803), 1030, (1061).

Nebblett, H. C. (1058).

Neel, J. V., see Lutman, F. C.

Nepper, E. R. 327, 328.

Neff, E. E. (789).

Nelson, Fritz. 325, 326.

Nettel, Roberto, Jr. (1061), (1062).

Newell, F. W., see Goldberg, S.

Newsom, A. L., and Armstrong, K. B. (1301).

Nielsen, R. F., see Roberts, W. L.

Nilson, E. L., see Berens, Conrad.

Niven, J., see McFarland, R.

Nogues, A. E., see Soto Romay, R.

Nuri Fehmi Ayberk. (232), (557), (1050).

and Sayrun, A. (1396).

Oaks, L. W. 370.

Oberndorf, C. P. (566).

O'Brien, C. S. (424), (1055).

Ogle, K. N., and Madigan, L. F. (929).
and see Burian, H. M.

Ohmart, W. A. 529.

Oliveres, Antonio. (220), (422).

Oller, C. I., see Yaskin, J. C.

Olmstead, J. M. D., see Morgan, M. W., Jr.

O'Malley, C. L. C. (792).

O'Neill, Hugh. (808).

O'Reilly, G., see Espildora-Luque, C.

Orgen, C., see Gözcü, N. I.

Oropeza, J., see Puig Solanes, M.

O'Rourke, D. H. 529.

Osimani, J. J., see Isola, W.

Owen, G. R., see Jones, I. H.

Owens, W. C., see Hughes, W. F., Jr.

Pacheco Luna, R. (116).

Páez Allende, Francisco. (436), (789), (933).

Paiva, Clovis. (226).

Pannabecker, C. L. (556).

Parkinson, R. H. 923.

Parsons, J. H. (441), (816).

Pascal, J. I. (223), 644, (1390).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Pashby, T. J., see Crawford, J. S.

Patwardhan, D. G. (686), (939).

Paula Xavier, J. de. (1056).

Paulo, A., Jr. (100).
and Arruda, J. de. (1285).

Pavlo, I. L. 88.

Pavlo, N. M. (1281).

Pearson, G. H. (1065).

Pelayo y Martín del Hierro. (1044).

Pemberton, E. C. (931).

Pendergast, J. J. (113).

Pendse, G. S. (557).

Pennybacker, Joe (795).

Peralta, G. A., see Contardo, A. R.

Perera, C. A. **186**, **581**, (939).

Pereira, R. F. (799).

Perez-Bufill, A. (232), (447).

Perez Llorca, J., and Jiménez Almenara, J. (223).

Perez Porcel, Enrique. (117).

Perlman, H. B., and Case, T. J. (1053).

Perret, A. **765**, **1018**.

Peter, A. L., and Rosen, Emanuel. **1140**.

Pfeiffer, R. L. (345), (1055).

Phimlin, R. (1400).

Philps, A. S. 73.

Pickard, Ransom. (442).

Pierce, G. W. (345).

Pierose, P., and Butt, E. (1297).

Pies, Morris. 764.

Pimentel, P. C. (789).

Pintcart de W. Elcira. (1283).

Pirie, A., see Mann, Ida.

Pischel, D. K. (792).

Pitter, J. (1394).

Plastinin, N. V. (1170).

Pletneva, H. A. (101).

Plitas, P. S. (1389).

Pokrovsky, A. I. (229), (1171), (1404).

Poliak, B. L., and Chutko, M. B. (1411).

Pollak, H. (442), (1180).

Pollock, W. J. I. (1066).

Popov, M. Z. (235), (1182), (1293).

Poppe, Erik. (1287).

Porterfield, V. T., see Heppel, L. A.

Posner, Adolph. **392**, **649**, (1390).

Post, L. T. 93, 211, 331, 416, 546, 668, 780, (816), 1035, 1156.
and Slaughter, H. C. (575).

Potts, C. R., see Goar, E. L.

Pounds, G. A., see Lee, R. H.

Poyales, Ureña. (692), (1043).

Prado Durval. (223).

Prelat, P. **1088**.

Preobrajenskaya, M. N. (1301).

Promtov, V. A. (1399).

Prigal, S. J. 1145.

Prior Guillem, Antonio. (238), (692), (1050).

Promtova, B. A. (101).

Protopopov, B. V. (346).

Puig Solanes, M., and Orosez, J., Garduno, E., and Fonte Barcena, A. (1056).

Pullingher, B. D., and Mann, Ida. (698).

Puntenny, Irving, and Spear, D. (575).

Purvis, Victor, 322, 651, (927), 1031, 1367, 1368.

Putnam, O. A., and Quereau, J. V. D. (1392).
and see Quereau, J. V. D.

Queen, F. B., see Keyes, J. E. L.

Quereau, J. V. D., and Putnam, O. A. (683).
and see Putnam, O. A.

Quiroga, M. I., and Mendoza, J. A. (229).

Rabinowicz, W. G. (113).

Rackley, G. D., see Romagosa, J.

Rados, Andrew. (430).

Radzikovskii, B. L. (1411).

Raeva, V. N., and Chaikovskaya, M. J. (1399).

Raffetto, E. C., see McGuire, W. P.

Rahim, S. A. (557).

Rambo, V. C. 1274.

Ramirez, Valentín. 1372.

Ramirez González, Armando. (939).

Ramón Roda, J. (692).

Ramsay, A. M. (1279).

Rand, Gertrude, see Hardy, L. H.

Randolph, M. E. (939).

Raskind, Robert. 757.

Rauh, Walter. (1401).

Ravin, L. C. (436).

Re, B. V., see Adrogue, E.

Rebelo Machado, Nicolino. (796).

Rebelo, Orlando. (104).

Reeh, M. J. **958**.

Reese, A. B. (109), 209, (808), 907, (1047).
and see Martin, H.

Regan, J. J. (680).

Regan, W. N., Gregory, P. W., and Mead, S. W. (428).

Reid, A. C. (683).

Ricci, Henry. 1371.

Richardson, R. C. 905, 906.

Richter, R. B., see Kohut, H.

Riddell, W. J. B. (442).

Ridley, Harold. (448), (1414).

Rieken, H. (1401).

Riemer, H. B. (575).

Riesenman, F. R., see Smith, H. D.

Riser, P., Becq, Couadau, and Lavity. (1289).
and Couadau and Géraud. (1290).
and Couadau and Signeuric. (1290).

Riser, R. O. 80, (220), 412, 663.

Robbins, B. H. (1069).

Roberts, W. L., and Nielsen, R. F. **1252**.

Robertson, G. W., and Yudkin, J. (336), (442).

Robertson, J. N. (808).

Robinson, J. S. **999**.

Robson, J. M., see Ginsburg, M.

Rocha, Hilton. (937).
and Bonfili, A. (787).
and see Americano Freire, S.

Rocha de Souza, Admardo. (104).

Rodrigina, A. M. (234), (1283), (1412).

Rodin, F. H. **306**, **405**, (425).

Roett, A. F. de. (431), (1298), **1329**.

Rogalski, T. (339).

Romagosa, J., and Rackley, G. D. (568).

Romaine, H. H., see Hughes, W. L.

Romero, Eduardo. (232).

Rones, Benjamin, and Wilder, H. C. **1112**.

Rooks, Roland. (1058).

Rosen, Emanuel. (110), (443), **1134**, (1177), (1301), (1302), **1352**.
and see Peter, A. L.

Rosenbaum, J. **523**.

AUTHOR INDEX

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Rosenberg, William. 538, 539, 540.
and see Krause, A. C.

Rosenblum, H. H. (687).

Rosenblum, M. E. (1412).

Rosenthal, Charles. 414.

Rosenthal, Nathan. 906.

Rouquier, A. (1293).

Roveda, J. M. (1062).

Rucker, C. W. (1402).

Rudolph, C. J. 319.

Ruedemann, A. D. (568).

Rundle, F. F., and Wilson, C. W. (798).

Russo, O., see Maggi Zavalia, J.

Rychener, R. O. 533, 534, 535, 756, (1302).

Rycroft, B. W. (803), (927).

Salzado Benavides, Enrique. (444), (692).

Sampson, R. (1181).

Samuels, Bernard. (559), (563).

Sánchez Mosquera, M., and García Márquez, E. (1062).

Santos, E., and Deik, S. (1298).

Saskin, Edward. 646.

Savin, L. H. (445).

Savitsky, Nathan. 75.

Savvaitov, A. C. (117), (118).

Sayrun, A., see Nuri Fehmi Ayberk.

Scheribel, K. J., see Moncreiff, W. F.

Scherling, S. S., and Blondis, R. R. (571), (804).

Schillinger, R. J. 1149.

Schlezinger, N. S., see Alpers, B. J.

Schlossberg, L., see Murphey, P. J.

Schneider, R. W., Lewis, L., Moses, J., and McCullagh, E. P. (1069).

Schoenberg, M. J. (1047).

Scholz, R. O. (98).

Schöpfer. (1406).

Schrattenberger, E., see Warkany, J.

Schultz, Abraham. 1010.

Schultz, Jacob, see Irvine, S. R.

Schwartz, I., see Kautz, F. G.

Scobee, R. G. 380, (557).

Scott, J. G. (106), 624, (817), (1066).

Scully, E., see Faulkner, S. H.

Seelig, C. A. (687).

Selfa, Enrique. (220), (230).

Semeraro, Edmundo. (119).

Sená, J. A. (118), (436), (1066).

Sergievsky, L. I. (224), (1397).

Sertorio Senna. (677), (698).

Shagass, C., see Crawford, J. S.

Shapland, C. D. 324.

Shartz, S. E., see Feldman, L. L.

Sheard, C., Wagener, H. P., and Brunsting, L. A. (337).

Shen, D. S. (1304).

Sheppard, Ernest. 205, 1266.

Sheppard, L. B. 195.

Shereshevskaja, G. M., see Kolen, A. A.

Shershevskaya, O. I. 1412.
and Kopil-Levina, Z. A. (1285).

Sherman, A. R. (351).

Shevky, M. C., see Weiss, C.

Shields, J. M. 528.

Shilin, J. V. (1186).

Shimkin, N. I. (1297).

Shipman, J. S., see Spaeth, E. B.

Shortley, M. J. (351).

Shukla, K. N. (563).

Shure, I. I. (226).

Sidelnick, A. E., see Travi, O. C.

Sidwell, C. E. 528.

Siegel, Ralph. (113).

Sievers, J. J., Knott, L. W., and Soloway, H. M. (933).

Signeuric, see Riser, P.

Silveira, Oswaldo. (939).

Silvers, S. H. (109).

Simonsen, E., Blankstein, S., and Carey, E. J. 712, (1279).

Simpson, G. V. (696).

Sinclair, J. G. 38.

Siniscal, A. A. 198.

Sitchevska, Olga. (351).

Skeoch, H. H. (1059).

Slaughter, Howard, see Post, L. T.

Sloane, A. E. 200, 404, 1259.

Sloane, H. O. (108), 914.

Smelansky, P. I. (346).

Smelanskii, R. I., and Treister, G. N. (1413).

Smelser, G. K. (428).

Smith, H. D., and Riesenman, F. R. (684).

Smith, H. J. 661.

Smith, I. C., and Struble, G. C. 461.

Smith, J. G., see Harner, C. E.

Smith, J. W. 649.

Smith, R. A. 760, 761, 762.

Snell, A. C. (817).

Snell, Albert C., Jr. 263.

Sobol, I. M. (114).

Soloway, H. M., see Sievers, J. J.

Somberg, H. M., and Ingham, H. V. (675).

Somerset, E. J. (1059).

Somerville-Large, L. B. (1066).

Soria Escudera, M. (238).

Sorsby, Arnold. (118), 323, (933).
and Hoffa, E. (687), (934).
and Hoffa, E., and Young, E. N. (432).
and see Cole, W. T. S.
and see Cumings, J. N.

Soto Romay, R., and Nogues, A. E. (1292).

Spaeth, E. B. (114), 770, 771, 773, 775, 776, 1073, (1177).

and DeLong, P. (233).
and Shipman, J. S. 655.

Spake, L. B. (697).

Spear, Dean. 908, 909.
and see Puntenney, Irving.

Spear, F. G., and Tansley, K. (819).

Spiro, Barbara. 540.

Srivastava, Lal. (1414).

Stallard, H. B. (337).

Staz, L. (1045).

Steele, W. H., see Leopold, I. H.

Steffen, R. (1391).

Stephenson, W. V. 315.

Stern, H. J. (805).

Sternberg, Paul, see Meyer, S. J.

Stewart, D. D. S. (931).

Stiles, W. S. (681).

Stine, G. H. 763.

Stockfisch, R. H., see Kravitz, Daniel.

Stone, L. S. (576).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Strada, G., and Maffrand, R. A. (800).
 Strakov, V. P. (98), (1187).
 and Bochever, E. M. (1413).
 Strauss, M. B. 1145.
 Streltsov, V. (1067).
 Strich, A. J. 79.
 Struble, G. C., and Bellows, J. G. (928).
 and see Smith, I. C.
 Sugar, H. S. 397, **744**.
 and see Gradle, H. S.
 Sukumlyn, Stephen. 1153.
 Sun, K. S. (1284).
 Svatickova, A. G., Chaikovskii, V. K., and Genne, M. P. (1284).
 Sverdlick, José. (557), (577), (818), (1402).
 and Luis Fernández, L. (1296).
 Sverdlov, D. G. (237), (1187), (1285).
 Swan, K. C. **58**, (1170).
 and Laughlin, E. (428).
 and White, N. G. (681).
 Swiontkowski, Stanley. 1370.
 Szinegh, Béla. (1394), (1401).
 Tang, Pei-Ching (1292).
 Tanner, O. R., see Borley, W. E.
 Tansley, K., see Spear, F. G.
 Tarcisco Castro, J., see Laborne Tavares, C.
 Tassman, I. S. (106), 659.
 Taylor, W. O. G. (426).
 Terry, T. L. (798).
 Theodore, F. H. (1394).
 and Bonser, W. H. (693).
 Theron, J. J., see Boshoff, P. H.
 Thomas, C. I. **317**.
 Thorne, F. H. 203.
 Thornell, W. C., and Williams, H. L. (1059).
 Thorpe, H. E. (698), 769, 770, 772, 773, 775, 777, (1302).
 Thygeson, Phillips. 672.
 and see Irvine, S. R.
 Tikhomirov, P. E. (239), (1184), (1188), (1414).
 Tinoco, Joaquim. (1297).
 Fisher, P. W. (805).
 Toledo, Renato de. (928).
 Torres Estrada, Antonio. (800), (1060), (1063).
 Tosi, B., see Argüello, D. M.
 Tovbin, L. G. (1404).
 Towne, E. A. **68**, (687).
 Townsend, J. G. (818).
 Traquair, H. M. (427).
 Travi, O. C., and Sidelnick, A. E. (1407).
 Treister, G. N., see Smelinskii, R. I.
 Trendelenburg, Wilhelm. (1391).
 and Meitner, H. (1391).
 Trevor-Roper, P. D. (115).
 Troncoso, M. U. 1360.
 Tumarkina, M. (115).
 Unsworth, A. C. **148**, (571).
 and see Irvine, S. R.
 Uribe Troncoso, see Troncoso, M. U.
 Vail, Derrick, 95, 919, (1067), 1268, 1271, 1382.
 Van Harreveld, A. (119).
 Veasey, C. A., Sr. **640**.
 Verhoeff, F. H. (560).
 Verma, O. P. (230).
 Victoria, V. A., and Artigas, M. (935).
 Vidal, F., and Malbrán, J. L. (119), (120), (577), (819), (820), (1046).
 Vila-Coro, Antonio. (432).
 Vila Ortiz, J. M., see Wescamp, C.
 Villalpando, E. D. (1048).
 Visscher, M. B., and Carr, C. (234).
 Voisin, Jean, and Aurenche, A. (1293).
 Von der Heydt, Robert. **55**, (435), 544.
 Von Sallmann, Ludwig. 208, (221), (692), 1023, (1402).
 and Meyer, K., and Di Grandi, J. (105).
 and see Dunnington, J. H.
 Vorisek, E. A., and Evans, A. L. **520**.
 Wagener, H. P. (99).
 and see Sheard, C.
 Wagman, O. H. 1226.
 Wakeley, Cecil. 70.
 Walker, J. D. **751**.
 Walkingshaw, R. (1068).
 Walsh, F. B. **13**, (429).
 and Dandy, W. E. (1056).
 Warkany, J., and Schraffenberger, E. (577).
 Weber, F. P. (1173).
 Weekers, Roger. (1291).
 Weiss, Charles, and Shevky, M. C. (1169), (1278).
 Weld, S. B. (1069).
 Wells, Louisa. **890**.
 Wescamp, Carlos. (793).
 and Vila Ortiz, J. M. (935).
 Weston, H. C. (818).
 Wetzel, J. O. **511**.
 Whalman, H. F. (110).
 Wheeler, M. C., see Hardy, L. H.
 White, J. W. 1368.
 White, N. G., see Swan, K. C.
 Whiting, Maurice, 1030.
 Whitney, L. H. (1414).
 Whitsell, F. M. (1032).
 Wiener, Meyer. (347).
 Wilder, H. C., see Rones, Benjamin.
 Wilder, R. M. (809).
 Wilkinson, R. W. 207.
 Williams, H. L., see Thornell, W. C.
 Williams, J. L. D., and Hill, B. G. (239).
 Williams, R. C. (818).
 Williamson, W. P. (676).
 Williamson-Noble, F. A. (569), (787).
 Wilson, C. W., see Randle, F. F.
 Wilson, Duncan. (819).
 Wilson, R. P., see Bland, J. O. W.
 Wolfe, O. R., and Mayer, L. L. **193**.
 Wolff, Eugene. (341), (564).
 Wong, W. W. 1026, 1027.
 Woods, A. C. 1261.
 and see Chesney, A. M.
 Wright, R. E. (426), (445).
 and Duncan, H. A. G. (699).
 Wright, W. D. (443).
 Wybar, K. C. (1294).
 Yaskin, J. C., and Oller, C. I. (429).
 Yaukey, J. B., see Gover, M.
 Yegorov, I. G. (1399).

AUTHOR INDEX

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Young, E. N., see Sorsby, Arnold.	Zeman, T. C. 1369.
Young, J. H. (429).	Zubillaga, J. B., see García Nocito, P. F.
Young, M. Y., see Juler, F. A.	Zuelzer, W. W., see Heath, Parker.
Yudkin, J., see Robertson, G. W.	Zurbriggen, M. B., see Maggi Zavalia, J.
Yudkin, S. (693).	

SUBJECT INDEX

Compiled by EMMA S. BUSS

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Abduction, congenital deficiency of, see Duane's syndrome.
Abscess, scleral, (1282).
Abstracts—
1. General methods of diagnosis, (217), (422), (675), (1168), (1277), (1388).
2. Therapeutics and operations, (218), (422), (676), (924), (1042), (1169), (1278), (1388).
3. Physiologic optics, refraction, and color vision, (221), (426), (677), (928), (1044), (1171), (1279), (1390).
4. Ocular movements, (224), (427), (682), (930), (1044), (1171), (1279), (1391).
5. Conjunctiva, (227), (429), (684), (931), (1044), (1173), (1280), (1392).
6. Cornea and sclera, (98), (230), (432), (555), (688), (935), (1045), (1173), (1281), (1394).
7. Uveal tract, sympathetic disease, and aqueous humor, (99), (232), (334), (435), (557), (688), (938), (1045), (1175), (1284), (1397).
8. Glaucoma and ocular tension, (100), (234), (334), (437), (558), (785), (940), (1046), (1178), (1285), (1399).
9. Crystalline lens, (102), (235), (335), (438), (558), (689), (788), (1048), (1179), (1286), (1400).
10. Retina and vitreous, (102), (235), (335), (438), (561), (690), (790), (1049), (1180), (1287), (1401).
11. Optic nerve and toxic amblyopias, (105), (337), (564), (694), (793), (1051), (1182), (1291), (1402).
12. Visual tracts and centers, (106), (235), (338), (444), (565), (694), (793), (1051), (1182), (1293), (1402).
13. Eyeball and orbit, (107), (236), (339), (444), (566), (695), (796), (1054), (1183), (1294), (1403).
14. Eyelids and lacrimal apparatus, (108), (237), (340), (445), (695), (799), (1056), (1184), (1296), (1404).
15. Tumors, (110), (340), (447), (568), (800), (1056), (1298), (1405).
16. Injuries, (111), (341), (448), (569), (697), (801), (1057), (1185), (1298), (1407).
17. Systemic diseases and parasites, (115), (348), (448), (572), (805), (1060), (1188), (1303), (1414).
18. Hygiene, sociology, education, and history, (116), (348), (573), (809), (1064), (1189), (1304), (1415).
19. Anatomy, embryology, and comparative ophthalmology, (119), (576), (819), (1069).

Accessory nasal sinuses, see Nasal accessory sinuses.

Accommodation, effect of diethylstilbestrol on, (222).
the lens in, **38**.
spasm of, from albucide? (1390).
Actinomycosis of orbit, (1294).
and see Fungus.
Acetylcholine, retrobulbar injection of, in embolism of central artery, (104).
Adaptation, dark, in aerial warfare, (335).
effect of, age on, (336).
brewer's yeast on, (1180).
duration of stimulus on threshold measurements in, (693).
at low barometric pressures, (1289).
objective adaptometry in discovering malingering, (1401).
in peptic-ulcer patients, (442).
periodic fluctuations of threshold, (1050).
test of, evaluation of, (337).
instrument for, (1168).
to test effect of spectral distribution on glare effect, **712**.
and vitamin A, (337), (442).
Adie's syndrome, see Syndrome.
Adrenal rest tumor, retro-orbital, (801).
Albinism of eyes, 1152.
partial, and nystagmus in Negroes, (930).
Albucide, see Sulfa-nilamide.
Allergy, chemistry of, 1145.
ocular expressions of, 1146, (1188).
retinal, 1323.
in tubercular affections of the eye, (557).
Amaurosis of idiocy, endocrine glands in, (441).
Amblyopia, following crushed chest, 207.
following hemorrhage, (565).
orthoptic training for, (428).
toxic quinine, with spontaneous detachment, (1291).
tobacco-alcohol, **636**.
and see Abstracts, section eleven.
Analgesia, eucoda - scopolamine - ephetonine, (1043).
Anatomy, embryology, and comparative ophthalmology, (119), (576), (819), (1069).
Anesthesia, (928).
butyn, ocular sensitivity to, **1362**.
evipan sodium, (1169), (1170).
general, ocular sequelae of, (1172).
local, hydrochloride of benzoyloil-diethyl-amino-ethanol (cycloplegina), (924).
orbital, (218).
retrobulbar, effect on ophthalmotonus, (925).
Aneurysm, arteriovenous, (693).
of internal carotid, fusiform, **659**.
intracranial, ocular signs of, 649.
of retinal vessels, (693).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Angiod streaks of retina, see Retina.
 Angioma, arteriovenous, basilar, 661.
 of lid and orbit, 1150.
 of retina, (341).
 Aniridia, see Iris.
 Aniseikonia, analysis of cases of, (678).
 meridional, (1171).
 relation of anisometropia, 215.
 space-eikonometer test for, 248, (677).
 and spatial orientation, 735.
 Anisometropia, relation of, to aniseikonia, 215.
 Anophthalmia, (339).
 enophthalmos simulating, (1404).
 Anomaloscope for testing tritoform color-vision defect, (1391).
 Anoxia, pupillary dilatation in, (938).
 visual thresholds an index of physiologic imbalance during, (426).
 Anterior chamber, glassy lines in, (1397).
 hemorrhage into, 529.
 loose flocculus in, 1367.
 rupture of epibulbar dermoid cyst into, 322.
 Aphakia, retinal-detachment operation in presence of, (443).
 Aphasia, (675).
 Aqueous humor, chemical composition of, in cat, (1046).
 entrance of radio sodium into, (234).
 formation and reabsorption of, (435).
 Arachnodactyl, anterior megalophthalmos and, 315.
 Arachnoiditis, opticochiasmatic, (694).
 Argentine, law concerning industrial ocular lesions, (1066).
 Ariboflaviosis, 243.
 Arruga's cataract extraction, see Cataract.
 Asthenopia, analogy between it and angina, (1279).
 headaches, giddiness, and, (427).
 Astigmatism, biastigmatism, 644.
 at oblique axes and binocular stereoscopic spatial localization, (929).
 variability of, intrinsic, (223).
 Autosensitization, staphylococcal and brucella infections in development of, 1147.
 Aviators, evaluation of eye tests in, (810).
 heterophoria and neurosis in flying personnel, (930).
 ocular function in, (1067).
 ocular manifestations of hysteria in, (794).
 visual problems of aerial warfare, (335), (338).
 Avitaminosis, see Vitamins.

Bacteriolysis by lysozyme of tears observed through electron microscope, (1389).
 Behcet's (Bechtsched) syndrome, see Syndrome.
 Benzyloil-diethyl-amino-ethanol, hydrochloride of, as cycloplegic, mydriatic, and local anesthetic, (924).
 Biomicroscopic surgery and treatment, (217).
 Bismuth, subsalicylate of, for luetic internal ophthalmoplegia, (99).
 Blepharitis, see Lids.
 Blind, deaf and blind child, teaching of, (1064).
 indigent, topographic and etiologic study of, (575).

Blind, (*continued*).
 partially, (1415).
 placement of the, in industry, (1190).
 statistics of, (1415).
 vocational aptitudes of, piano tuning, (1065).
 war, care of, 331.
 at Old Farms Convalescent Hospital, (1069).
 rehabilitation of, (351), 551, (575), (812).
 medical-social aspects of, (349).
 rural, (350).
 treatment of, (1412).
 Blindness, causes of, onchocerca, 1269.
 in West China, (1304).
 heredity and, (351).
 hysterical, 1027.
 prevention of, (813).
 National Society for, 670, 1037.
 Blood dyscrasias in retinopathy, (561), 906.
 Boeck's sarcoid of retina, (334).
 Bolivia, trachoma in, (117).
 Books—
 Cowan, Alfred. Refraction of the eye, edition 2, 1358.
 Gordon, Benjamin Lee. The romance of medicine, 94.
 Lopes, Octacilio de C. Oftalmia simpatica (Sympathetic ophthalmia), 95.
 Lyle, Donald J. Neuro-ophthalmology, 922.
 Parkinson, Roy H. Eye, ear, nose and throat manual for nurses, 923.
 Bothriomycoma of conjunctiva, (1407).
 Brain, hemorrhage, fundus findings in, (335).
 injury, ocular evidence of, (1052).
 Adie's syndrome, (1285).
 cerebral commotion, ocular syndrome of, (1293).
 constriction of visual field, (1293).
 tumors, of cerebellopontine angle, (444).
 diagnosis by quantitative perimetry, (801).
 ocular symptoms in, (1053), (1182).
 choked disc, (106).
 Brazil, ophthalmology in, 397.
 Brucella infection producing autosensitization, 1147.
 Brucellosis, (806), (808), 1021, (1188).
 "Bufo arenarum," retinal pigment of (577).
 Butyn, ocular sensitivity to, 1362.
 Carbaminoylcholine chloride in glaucoma, 328, (437).
 Carcinoma, of anterior chamber, (1056).
 of choroid, 325, (340), 1256.
 nasopharyngeal, ocular involvement, 1150.
 Carotid artery aneurysm, in Foster Kennedy syndrome, (106).
 Carotid sinus and retinal circulation, (1290).
 Cat, arrangement of myelinic fibers in optic tract of, (119), (577).
 distribution of primary myelinated optic fibers, in dorsal geniculate body of, (820).
 in pretectal area of, (819).
 Cataract, congenital, 904.
 following rubella in the mother, 186, (1287), (1400).
 with glaucoma, (1048).
 in diabetes, 83.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

- Cataract, (*continued*)
 - electrical, see Injuries.
 - experimental, in rats, galactose, (788).
 - extraction, (1046).
 - closure of incisions, 871.
 - complicated, postoperative, glaucoma, (785).
 - hemorrhage, (690), (789).
 - effect of ascorbic acid on, (1049).
 - hypotony, (1286).
 - corneal section in, modification of, 537.
 - fixation of eye by "contrapunctor," (1400).
 - instruments for, (1048).
 - forceps for, (1048).
 - intracapsular, (1401).
 - with loop-hook, (789).
 - by suction, (1048).
 - instrument, 317.
 - in polycythemia, (336).
 - of senile, 40, (335).
 - sutures, absorbable, (558).
 - glaucoma, congenital, and, 388.
 - hereditary, (1179).
 - in hypoparathyroidism, 658.
 - industrial, see Injuries.
 - neurodermatica, 1151.
 - atopic eczema with, 1024.
 - nutritional, rachitic bone changes with, (1401).
 - ophthalmoplegia and, in nasal cancer, 1150.
 - senile, with Fuchs's corneal dystrophy, 1372.
 - and vitamin C, (102).
 - with spontaneous retinal detachment, (559), (563).
 - traumatic, see Injuries.
 - X-ray, 1375.
 - Cavernous-sinus thrombosis, see Thrombosis.
 - Cerebellopontine angle, tumor of, see Brain.
 - Chancre of palpebral conjunctiva, (229).
 - Chiasm of cat, arrangement of myelin fibers in, (119).
 - and see Cat.
 - Chicago Ophthalmological Society, 77, 411, 538, 661, 764, 908, 1024, 1149, 1368.
 - Children, congenital cataract in, 904.
 - school, eye health program for, (680).
 - partially seeing, schooling of, in Oregon, (1064).
 - squint in, see Orthoptic treatment, and see Strabismus.
 - China, central, eye disease in, (1065).
 - west, blindness in, (1304).
 - Cholesteatoma of orbit, (447).
 - Choline, lipotropic effect of, in retinal tuberculosis, 902.
 - therapy of corneal ulcer and leukoma, 62.
 - Chordoma and allied tumors of clivus, ophthalmic features of, (1182).
 - Chorioretinitis, 1029.
 - disseminated, 80.
 - and toxoplasma, (99).
 - toxoplasma neutralization tests in, (1397).
 - tuberculous, 763.
 - Choroid, coloboma, 766, 1372.
 - detachment of, (233).
 - ossification, with intracranial calcium shadows, (1045).
 - Choroideremia, (1398).
 - Choroiditis, central, bilateral, 541.
 - exudative, 88.
 - gonorrhreal, penicillin therapy, (1176).
 - Cilia, see Eyelashes.
 - Ciliary body, distribution of oxidative enzymes in, (435).
 - processes, secretory activities in epithelium of, (557).
 - Clinics, in Lagos, (1068).
 - Washington University Eye, orthoptic training in, 329.
 - Coats's disease, see Retinitis.
 - College of Physicians of Philadelphia, Section on Ophthalmology, 83, 655, 911, 1377.
 - Coloboma, of choroid, 766, 1372.
 - of iris, 766.
 - of lids, 908.
 - of macula, 1031, (1050), 1152.
 - of optic disc, 766.
 - Color blindness, anomaloscope for tritoform color-vision-defect test, (1391).
 - Stilling-Hertel charts for testing, (1391).
 - Color vision, see Vision.
 - Colorado Ophthalmological Society, 325, 528, 760, 905.
 - Compensation, for partial loss of vision, unilateral, (118).
 - in the United States, 856.
 - Conjunctiva, (227), (429), (684), (931), (1044), (1173), (1280), (1392).
 - amyloid disease of, 486, (932).
 - blood vessels of, (685).
 - chancre of, syphilitic, (229).
 - chemosed, prolapsed, strangulated, treatment of, (1393).
 - congestion of upper quadrant, sign of focal infection? (431).
 - dionin effect on, (686).
 - exanthem in spotted typhus, (684).
 - flora of, 306.
 - folliculosis, in monkeys, (228), (1044).
 - localization of Osler's disease beneath, (1394).
 - neurofibromatosis involving bulbar, (933).
 - ophthalmomyiasis of, (573).
 - pemphigus of, histopathologic study, (931).
 - sac, restored, after enucleation, by electro-coagulation, (1186).
 - by plastic surgery, (1404).
 - syphilis of, (932).
 - thelazia of, (1303).
 - transparency of, (429).
 - tuberculosis of, see Tuberculosis.
 - tumors of, see Tumors.
 - Conjunctivitis, allergic, kalziphedrine therapy for, (1394).
 - nonsesonal, (430).
 - angular, riboflavin for, (230).
 - artifacts, microdiagnosis of, 652.
 - in China, (1065).
 - chronic, from cystoid degeneration of upper canaliculus, 400, 1029.
 - gonococcal, see Ophthalmia.
 - Koch-Weeks, penicillin ineffective for, (1280).
 - membranous, unilateral, complete cast, (228).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts.

Conjunctivitis, (*continued*).
 Parinaud's, see Tularemia.
 pemphigus, 206, (931).
 purulent, in newborn, (432).
 of Reiter's disease, (689).
 trachomatous, see Trachoma.
 ultraviolet light, see Injuries.
 vernal, treatment by antepositio conjunctivae fornicis, (1393).
 and see Ophthalmia.

Connecticut, eye problems in small industries of, (1190).

Contact glasses, see Spectacle lenses.

Contrapunctor, see extraction, under Cataract.

Cordite as intraocular foreign body, (571).

Cornea and sclera, (98), (230), (432), (555), (688), (935), (1045), (1173), (1281), (1394).

Cornea, abscess, ring, penicillin for, **64**.
 anesthesia, in hysteria, (1183).
 disease, from avitaminosis, (1396).
 dystrophy, **55**, 544, 910.
 Fuchs's, 1372.
 granular, familial, 1366.
 Groenouw's, (935).
 with increased tension, 1264.

epithelium, biomicroscopy of, in conjunctival affections, (231).
 effects of excitement, epinephrine, and sympathectomy on mitotic activity of, (434).
 mitotic and wound-healing activities of, (555).
 regeneration of, effect of local sulfonamides on, (1389).
 erosion, recurrent, **355**, (697), 1275.
 flaccidness and resilience of, 900.
 hemorrhage, 534.
 herpes, see Herpes.
 inflammatory reaction in, after intratesticular inoculation with syphilis, (433).
 injuries of, see Injuries.

Kayser-Fleischer ring of, with hepatotesticular degeneration, 540, 1149.

lesions of, following operations for trigeminal neuralgia, (556).

leukoma, 80.

lipochondrodystrophic changes in, (572).

megalocornea, **1352**.

opacities, 1236.
 choline for, **62**.
 keratectomies for, (432).
 therapeutic transplantation of skin, (218).
 penetration of penicillin through, in rabbit eye, (676), 1377.

permeability to weak electrolytes, (423).

plana, (434).

sections in soft eyes, 1276.

Stähli's line, (937).

in syphilis, experimental, development of immunity after inoculation, (432), (433).
 thinning of, (1282).
 transplantation of, (98), 535, (937), (1281).
 acquired dystrophy from host, (435).
 preserved tissue, (232).

ulcers of, experimental, penicillin therapy (local vs. systemic), (232).
 pain referred to Meckel's ganglion, (1060).

Cornea, (*continued*).
 ulcers of, (*continued*).
 perforating, surgical, (434).
 serpiginous, keratoplasty for, (1395).
 sulfapyridine for, (1283).
 treatment, blood serum, (1396).
 choline, **62**.
 penicillin, local, (1174).
 streptocide, (1394).
 sulfanilamide, (98).
 albulcid (1397).
 vitamin-A therapy of superficial corneal disease, (688).
 white rings of (Coats's), (231).
 and see Abstracts, section six.

Corpora nigra, with anterior synechiae, (233).

Correspondence, 95, 215, 672, 784, 1274, 1386.

Cryptococcus hominis infection, (1278).

Crystalline lens, (102), (235), (335), (438), (558), (689), (788), (1048), (1179), (1286), (1400).
 and see Lens.

Cyclodialysis, see Glaucoma.

Cyclodiathermy, see Glaucoma.

Cyclopia and arhinencephalia, (797).

Cycloplegia, atropine, shortening period of, with eserine, (224).
 dibutoline sulfate, (681).
 hydrochloride of benzoyl-diethyl-aminoethanol (cycloplegina), (924).

Cyst, epibulbar, dermoid, rupture into anterior chamber, 322.
 hydatid, intraorbital, (1295).
 of iris, 1377.
 orbital, (1056).
 retinal, rupture of, causing detachment, 324.

Cysticercus, histopathology of an eye affected with, (448).

Dacryoadenitis with Boeck's sarcoid, 1010.

Dacryocystitis, (697).
 acute, abortive treatment, (238).
 chronic, 910.
 of newborn, sulfadiazine in treatment of, (696).
 pseudo-, (238).
 sulfidine (sulfapyridine) for, (1184).
 syphilis in etiology of, **511**.
 transplantation operation, (695).

Dacryocystorhinostomy, (446).
 hemorrhage in, (446).
 simplified, external, (239), (800).

Dark adaptation, see Adaptation.

Deaths—

- Ackroyd, William A., 579.
- Agatston, Sigmund A., 699.
- Alger, Ellice M., 449.
- Applewhite, Scott C., 353.
- Asbill, Fletcher G., 241.
- Auwers, Joseph T., 121.
- Ball, Michael V., 1307.
- Bartley, Donald A., 1307.
- Bausch, William, 121.
- Biever, J. A., 121.
- Black, Howard, 121.
- Blake, Charles R., 449.
- Boettcher, Henry R., 579.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Deaths, (*continued*).
 Bourne, Nathan L., 1071.
 Brav, Aaron, 353.
 Briggs, Wallace R., 579.
 Brown, Thomas D., 241.
 Browne, Howard S., 699.
 Brownell, Arthur H., 699.
 Buckmaster, DeForest W., 699.
 Bullard, Robert L., 449.
 Byers, William C., 942.
 Campbell, Jesse H., 942.
 Campbell, William K., 121.
 Caughman, Belton D., 449.
 Chekwynd, Joseph W., 1071.
 Cline, Harry X., 241.
 Cobb, Albert C., 820.
 Cole, Charles W., 1191.
 Coleman, Charles E., 942.
 Crafton, George A., 579.
 Crain, Charles H., 121.
 Crampton, Joseph H., 353.
 Crichtlow, Richard S., 121.
 Deachman, Thomas W., 699.
 Dickinson, Frances, 942.
 Dixon, George S., 241.
 Edmonds, William M., 579.
 Evans, Charles H., 699.
 Ewing, Alfred E., 1071.
 Farmer, Alfred G., 699.
 Farrens, Erastus T., 1307.
 Flanders, Louis W., 820.
 Fleming, James W., 499.
 Flury, John A., 579.
 Foster, John M., 820.
 Fowler, Clarence F., 1307.
 Fuqua, Elmer F., 579.
 Gaines, Joseph R., 942.
 Garey, John H., 579.
 Gookin, Edward R., 820.
 Gordon, John S., 353.
 Green, Martin I., 1191.
 Greening, William P., 942.
 Haas, Thurman B., 1071.
 Hallett, George D., 820.
 Hatch, Clark B., 241.
 Heiss, John E., 353.
 Helgesen, Peter A., 579.
 Herron, John T., 942.
 Hirschberg, Samuel, 820.
 Hoffman, G. L., Sr., 1071.
 Hoffman, Jacob O., 353.
 Hopkins, Herbert J., 579.
 Hunter, Charles S., 942.
 Ingram, Lawrence C., 1307.
 Jay, Milton T., 1191.
 Joiner, William E., 121.
 Kahn, Moses R., 820.
 Kershner, Joseph L., 820.
 Kistler, Robert H., 121.
 Krauss, Frederick, 241.
 La Pierre, Arnaud J., 121.
 Levitt, Michael L., 699.
 Lewis, Archibald C., 121.
 Lewis, George L., 1071.
 Long, Oscar L., 820.
 Ludlow, David H., 942.
 McKeown, Hugh S., 121.

Deaths, (*continued*).
 McLallen, James C., 1191.
 MacWhinnie, Arthur M., 820.
 Magoun, Charles E., 579.
 Maloney, Daniel J., 121.
 Mann, Benjamin H., 579.
 Matheny, Benjamin F., 121.
 Montgomery, Jason E., 820.
 Moore, John W., 241.
 Munson, George S., 449.
 Oberdorfer, Archie L., 820.
 O'Gwynn, John C., 579.
 Owen, Elmer E., 121.
 Paganelli, Terigi R., 579.
 Parker, Frederick P., 353.
 Parker, Harry C., 579.
 Payne, Arthur L., 1191.
 Pierce, Lloyd C., 699.
 Potts, Joseph H., 699.
 Price, Charles J., 699.
 Redding, Leonard G., 241.
 Robinson, Joseph W., 121.
 Rosenthal, Charles M., 121.
 Roth, Albert W., 699.
 Rystad, Olaf H., 121.
 Scarito, Nicholas J., 449.
 Schoenberg, Mark J., 449.
 Seiberling, George F., 1071.
 Seigall, Harry A., 1307.
 Singleton, Tilden H., 1191.
 Smith, Arthur E., 449.
 Smith, Dorland, 820.
 Smith, Frederick A., 121.
 Smith, Henry D., 121.
 Snyder, Wayne L., 241.
 Steely, Benjamin F., 1307.
 Steiner, Louie L., 121.
 Stewart, Harry J., 121.
 Swindell, John W., 1071.
 Taylor, Green B., 241.
 Thayer, Frederick G., 449.
 Thomas, F. Carlton, 449.
 Thorington, James, 121.
 Thrane, Marcus, 1071.
 Trimble, Clarence S., 820.
 Trowbridge, Willis C., 449.
 Virden, John E., 121.
 Waggoner, William F., 121.
 Walker, Charles E., Jr., 579.
 Ward, Alonzo C., 1307.
 Watkins, Edwin D., 121.
 Weatherbee, Joseph R., 699.
 Weaver, Hartwell, 241.
 Webster, Emil H., 579.
 Wells, Cephas J., 121.
 Welsh, Thomas F., 1191.
 Whitaker, Furman C., 820.
 Wickliffe, Thomas F., 449.
 Williams, Thomas J., 1191.
 Williams, Wright C., 942.
 Woods, James E., 699.
 Decompression sickness, migraine-like syndrome complicating, (106).
 Dental origin of ocular disease, see Focal infection.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Diabetes, alloxan, in rabbits, retinal hemorrhages and lens changes in, (1069). cataract in, 83. eye signs in, (1303). lens changes in, (689). retinopathy in, (561), **617**, (691), 765, (790). rubesis iridis with, 123.

Diagnosis, general methods of, (217), (422), (675), (1168), (1277), (1388).

Diathermy in choroidal tumors, see Tumors; and see Glaucoma; and see Retinal detachment.

Dimetidine sulfate, (681).

Dichloroethane, toxicology of, (569).

Dicumarol in thrombosis of retinal vein, 1374.

Dicoumarin, in obliteration of central retinal artery, (1288). with penicillin, for cavernous-sinus thrombosis, 648.

Diethylstilbestrol, effect of, on accommodation, (222).

Digitalis, visual symptoms from, **373**, **639**, (694).

Dionin, effect of, on conjunctiva, (686).

Diplopia, postoperative, prognosis of, in adults, (931). test of, (1277).

Disability, visual, see Compensation.

Divergence, excess, and postural tonus, 96, 649.

Dominance, ocular, (928), (929).

Doryl, see Carbaminoylecholine.

Drugs of little value, ophthalmic, 1386.

Duane's syndrome, see Syndrome.

Duodenal juice for vitreous opacities, (1289).

Dwarf, developmental ocular defects in, (797).

Dysacusis, uveitis with, see Vogt-Koyanagi under Syndrome.

Eales's disease, (792).

Eczema with cataracta neurodermatica, 1024.

Editor returns from the war, 1156, 1268.

Editorials—

- Acceptable practices for dispensing glasses, 211.
- Bill to establish an optometry corps in the Medical Department of the United States Army, 1271.
- Blindness from onchocerca, 1269.
- Colonel Vail returns as editor-in-chief, 1156.
- Conference on industrial ophthalmology, A, 919.
- Definitive care of the war blinded, 331.
- Directives for ethical dispensing, 546.
- Editor's farewell to arms, The, 1268.
- Eye care for the returned soldiers, 93.
- Local option in ophthalmo-optometric relations, 668.
- Los Angeles Study Club, 333.
- Medical journals in war time, 921.
- Medical Spain in Mexico, 214.
- National Society for the Prevention of Blindness, 670, 1037.
- Ophthalmologic training for returning veterans, 1035.
- Ophthalmologist's relationship to group practice, The, 416.
- "Ophthalmic associates," 418.
- Prepayment of medical care, 780.

Editorials, (continued).

- Professional claims by British opticians, 548.
- Psychology and eye exercises, 91.
- Rehabilitation of the war blinded, 551.
- Return of the ex-medical officer, 1362.
- Retinal and general circulation, 1165.
- Review of solar retinitis as it may pertain to macular lesions seen in personnel of the Armed Forces, A, 1158.
- Shall we nationalize medicine? 778.
- Sociedad Oftalmologica Hispano-Americana, 1039.
- Why correct hyperopia? 419.

Eikonometer, space, **248**, (677).

Electrical-shock procedure, eye movements in, (428).

Electro therapy in ophthalmology, (927).

Embolism of right inferior retinal arterial division, 650.

Encephalitis, bulbar, ophthalmoplegic syndrome in, (1403). hemorragica superioris, **596**.

Endocarditis, penicillin therapy for, 1022.

Endophthalmitis, 79, (939). meningococcic, treatment, (107), 540. penicillin therapy, 191, (1285).

Enophthalmos simulating anophthalmos, (1404).

Enucleation, (237), (1054), (1404). effect of, on the orbit, (1055). formation of mobile stump after, (1183). at the front, (1183), (1411). implantation following, (445), (1054). knife hook for sectioning recti muscles in, 107. of shrunken eyeball, (236). time for, (342). transplantation of tissue into Tenon's capsule after, (1404).

Enzymes, oxidative, in ciliary body, (435).

Epinephrine, effect of, on corneal epithelium of rats, (434).

Epiphora, congenital, (696). treatment, (1184).

Episcleritis, see Sclera.

Epithelioma, of iris, (110). of lid margin, (109). of limbus, 1376. tricho-, of eyelid, **189**.

Errata, 97, 1041.

Esophoria, tendency to near-point, (931).

Esotropia, fusion in, without orthoptic training, 1376.

Eserine, (224).

Esser-Wheeler technique, see Orbit.

Eucodal-scopolamine-aphetone in ophthalmology, (1043).

Evipan sodium in ocular surgery, (1169), (1170).

Evisceration, enucleation versus, (1054). not expedient in war injuries, (1186).

Exophthalmos, in hyperthyroidism, see Thyroid disease. intermittent, (567). pathogenesis, (1056). progressive, of unknown etiology, 532. pulsating, (107), 1266. traumatic, 757.

from tumor, (801), 1371.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Eye, anomaly of, in dwarf, (797).
 anatomy of, (119).
 bacteriologic and cytologic findings in infections of, (1278).
 care for, in British Army, (349).
 in returned soldiers, 93.
 changes, in commotion-contusion syndrome, (1293).
 in thyroid disease, (563).
 conditions in 1,000 new eye patients, 1329.
 diseases of, acute, serologic studies in, 180.
 in Central China, (1065).
 complications of tropical disease, 958.
 dental infection in, see Infections.
 in the East, (814).
 eczematous, nonspecific desensitization treatment, (422).
 electrical sensitivity of eye in, 363.
 heredity and, (351).
 incidence of, in Australian imperial forces, Middle East, (350).
 inflammatory, bacteriologic flora of nasal and nasopharyngeal membranes in, 1313.
 effect of ultrahigh-frequency-field therapy on, (1389).
 exercises, benefit of, 91, (1390), (1415).
 function of, in aviation, (1067).
 in general disease, (808).
 and see Abstracts, section seventeen.
 grafted, polarization in regenerating retinas of, (576).
 infections of, see Infections.
 injuries of, see Injuries.
 parasites in, see Parasites.
 safety devices for, (1189).
 strain, see Asthenopia.
 structure, function, and diseases of, according to Ambrose Paré, (573).
 symptoms of psychogenic origin, (566).
 therapy, heat and cold in, (425).
 tissues, glutathione in, (1054).
 tuberculosis of, see Tuberculosis.
 used as camera, 451.
 of West African Negro, (817).
 Eyeball and orbit, (107), (236), (339), (444), (566), (695), (796), (1054), (1183), (1299), (1403).
 Eye clinics, see Clinics.
 Eye, ear, nose and throat manual for nurses, 923.
 Eyegrounds, see Fundus.
 Eye hospitals, Dublin, (1066).
 military, (810).
 Eyelashes, in anterior chamber, see Injuries.
 giant (trichomegaly), (696).
 Microsporon audouini infection of, (109).
 Eyelids and lacrimal apparatus, (108), (237), (340), (445), (695), (799), (1056), (1296), (1404).
 Eyelids, see Lids.
 Eyes, congenital malformations of, induced by maternal vitamin-A deficiency in rats, (577).
 patron saints of, 160, (575).
 Eyestrain, see Asthenopia.

Fever, rheumatic, eye findings in, 319.
 therapy, (218), 461.
 Fibroplasia, retinal, 79, 766.
 retroorbital, (798).
 Fields, see Visual fields.
 Filaria, see Parasites.
 Fluids, intraocular, dynamics, secretion-diffusion theory of, (99).
 Flying, see Aviation.
 Focal infection in ophthalmology, see Infections.
 and see Nasal accessory sinuses.
 Forceps, capsular, (1048).
 corneal, 201, (698).
 Fornix, restoration of, by electrocoagulation, (1186).
 plastic, (1404).
 Fovea, viewed through stereoscopic ophthalmoscope, (791).
 Fundus, changes, coloboma, 766.
 in complicated craniocerebral injuries, (235).
 in Hodgkin's disease, 909.
 after subarachnoid hemorrhage of brain, (335).
 in sarcoidosis, (103).
 vascular hypertension, classification of, treated with sympathectomy, (439).
 and see Retina.
 Fungus, actinomycetes, (1294).
 canaliculitis from *Mycotorleae candida*, (799).
Microsporon audouini, (109).
 nocardia, (227).
 streptothrix, (1297).
 Fusion in esotropia, without orthoptics, 1376.

Gas mask, correcting glasses in, (1171).
 Gases, see Injuries.
 George Washington University Department of Ophthalmology, 203, 1264.
 Gifford, Sanford R., contribution to literature, (575).
 practical procedures used by, (575).
 Glasses, see Spectacle lenses.
 Glare, see Illumination.
 Glaucoma and ocular tension, (100), (234), (334), (437), (558), (785), (940), (1046), (1178), (1285), (1399).
 Glaucoma, 756, 1285, 1365.
 absolute, changes in scleral and corneal nerves in, (1285).
 acute, 529.
 congestive, (438).
 pathogenesis of, (100).
 due to anterior synechias after cataract operation, (785).
 campaign, progress of, (1047).
 chorioretinal changes with, 529.
 chronic, noninflammatory, 77.
 simple, (100), 1263.
 etiology, (437).
 pathology, 1263.
 congenital, and cataract, 388, (940), (1048).
 contribution to study of, (101).
 deep-chamber, (1047).
 and essential progressive iridic atrophy, 744.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts.

Glaucoma, (continued).

- functional and degenerative, (1048).
- gonioscopic findings in, (558).
- infantile, with nevus flammeus, (234).
- nevus flammeus with, (1178).
- pathogenesis of, (1178).
- preglaucoma, diagnosis, (1047).
- secondary to thrombosis of central retinal vein, 536.
- tension, ocular, combating of hypertension in war injuries, (1410).
- corneal dystrophy with increased, 1264.
- effect of, penetrating wounds on, (1399). and see treatment.
- elevated in retinal detachment, 1366.
- treatment, (1046).
 - doryl, 328, (437), 648.
 - prozerin, (1399).
 - surgical, (438), 664, (1046).
 - of acute congestive, (1047).
 - basis of, (940).
 - cyclodialysis, (940).
 - suppurating infection after, (100).
 - Troncoso magnesium implant in, (1178).
 - cyclodiathermy, (1285).
 - Vogt's, (1399).
 - with gonioscopy and biomicroscopy, (786), (1179).
 - iridencleisis, 81, (787).
 - iridectomy, peripheral, (558).
 - sclerotomy drainage, hinge flap, 1365.
 - trephining, suppurating infection after, * (100).
- visual fields in, 531.
- and see Abstracts, section eight.

Glioma of retina, 79, (341), (447), 764.

treatment, (1298), (1406).

Glutathione in tissues of eye, (1054).

Goniometry, (558).

and hydrophthalmos, (787).

new lens for, 1360.

Goniotomy, 1133.

Gonorrhreal ophthalmia, see Ophthalmia.

Graves's disease, see Thyroid disease.

Groenouw's corneal dystrophy, see Cornea.

Headache, angioscotaoma enlarged with, (1062).

and asthenopia, (427).

and see Allergy.

Head injuries, see Injuries.

Heat and cold in ocular therapy, (425).

Hemangioma, capillary, of lid, 1150.

of lid conjunctiva, 216.

Hemianopia, homonymous, diagnosis, 74.

Hemorrhage, into anterior chamber, 529.

blindness following, (565).

following cataract extraction, (690), (789).

in dacryocystorhinostomy, (446).

intracorneal, 534.

into lens, 534.

orbital, (218).

postoperative, (927).

retinal, in Eales's disease, (792).

in malaria, (235).

subarachnoid, fundus changes in, (1180).

vitamin-P therapy, (219).

vitreous, (1050).

Heredity and ophthalmology, (351).

Hering on visual direction, 673.

Herpes, simplex, keratitis, (935).

zoster ophthalmicus, (231), 328, (808), (1061), (1414).

Heterochromia sympathica, (1175).

Heterophoria and neurosis in flying personnel, (930).

Herxheimer reaction, 1379.

Hexonal narcosis, (1169).

intramuscular, for children, (1170).

History, see Ophthalmology; and see Abstracts, section eighteen.

Hodgkin's disease, fundus changes in, 909.

Hyaloid membrane, retrocorneal, (938).

Hydrophthalmos, gonioscopy and, (787).

Hygiene, sociology, education, and history, (116), (348), (573), (809), (1064), (1189), (1304), (1415).

Hyperopia, why correct? 419.

Hyperplasia, (229).

Hyperpyrexia, see Fever.

Hypertension, ocular, see Glaucoma and ocular tension.

essential, 536.

fundus in, (439), (790), (1287), (1289), (1290).

ophthalmoscopic classification of, (235), (335), (1288).

pathology of, 415.

intracranial, pregnancy and, (1292).

Hypoparathyroidism, cataracts and optic neuritis with, 658.

Hypotropia, resection of inferior oblique for, 1226.

Hysteria, corneal anesthesia in, (1183).

ocular symptoms of, (1293).

visual defects of, 906, (1052).

in flyers, (794).

Illumination, glare, 712.

reduction of, by eyelids, (1297).

in industry, see Industry.

for the ophthalmologist, (679).

unfrosted electric lamp in ocular practice, (217).

Immunity studies, syphilis, (432), (433).

Implantation, acrylic resin (plastic), 1015.

in Tenon's capsule, plastic spheres for, (445).

Inclusion bodies, 282, 672.

Industry, illumination in, (818), (819), (1189).

improving vision in, (811).

injuries in, see Injuries.

nursing care of eye in, ophthalmologic guidance for, (815).

ocular problems in Connecticut, (1190).

role of ophthalmic surgeon in, (814), (817).

safety devices, eye, (1189).

visual job analysis, (813).

Infections, bacteriologic observations on, 1153, (1169).

focal, congestion of upper quadrant of bulbar conjunctiva a sign of? (431).

dental, (572), (1286).

in ophthalmology, (1061).

and see Nasal accessory sinuses.

ocular, penicillin for, see Penicillin.

sulfonamides for, see Sulfonamides.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

- Infections, (*continued*).
 staphylococcal, 1022, 1147.
- Inflammations, postinflammatory lesions, 412.
- Injuries, (111), (341), (448), (569), (697), (801), (1057), (1185), (1298), (1407).
 air-raid, (697).
 altitude flying, (802).
 anterior chamber, foreign body in, see under foreign body.
 burns, 70, 769.
 chemical (342), (804).
 treatment, **370**, (811), (1410).
 buccal mucous membrane for, (113).
 hemotherapy, (113).
 flash, (1409).
 cataract, electrical shock, (111), (1057).
 traumatic, 533, (570), 761.
 following penetrating injury, (1301).
 transparency of lens following, (805).
 X-ray, 1375.
- ciliary body, 775.
- conjunctival, burns of, 70.
- conjunctivitis, self-inflicted, (1059).
 ultraviolet, (1056), (1409).
- cornea, 771.
 BB shot, nonperforating, 529.
 blood staining, (112), 533.
 burn of, chemical, (811).
 chart for recording, 405.
 from dichloroethane, (569).
 foreign body in, see under foreign bodies.
 gas, see under gases.
 industrial, see under industrial.
 penetrating wound of, 761, 777.
 perforating, repair of, (1299).
 splinter, forceps, (698).
 war, see under war.
cranial, retinal-vessel changes in, (1412).
deep-sea diving, (802).
from emetine, (1060).
endophthalmitis following, 1193.
exophthalmos, traumatic, 757.
of the eye, 769.
avulsion, (344).
 in basal-skull fractures, (1410).
compensation for, in the United States, 856.
contusions, 775, (805).
 from orbital gunshot wound, (1413).
explosion, 759.
gunshot wound of, 762.
infection of, deep, penicillin prophylaxis, (803).
laceration, recovery of vision, 1014.
late result of severe, (115).
from lightning, 195.
perforation of, 914.
treatment, of recent, (347).
war, see under war.
of the eyebrow, blunt trauma, ocular changes following, (1058).
foreign body, (1058).
 in anterior chamber, cilium, 535.
 corneal trephining for access to, (1407).
 glass, (1058), 1367.
 in cornea, (805).
 glass, 651.
- Injuries, (*continued*).
 foreign body, (*continued*).
 double perforation, (1058).
 in lacrimal sac, **754**.
 intralenticular, located by Vogt X-ray technique, 207.
 removal, 647.
 intraocular, 910.
 cordite, (571).
 importance of injecting air into Tenon's capsule, 1140.
 localization of, (344), (698), (801), (1058), (1185), (1411).
 with contact lens, (345), (570).
magnet test of, (1188).
magnetic, 772, (1411).
 extraction, (114).
 giant magnet, (699), (1411).
 hand magnet, (111), (112), 773, 1245.
 late results, (115).
 small electromagnet, (1060).
 steel, hemorrhage following removal, 532.
- metallic, in vitreous, 74.
- nonmagnetic, 74, 322, (698), (1302), (1407), (1412).
diascleral removal, (1411).
endoscope for removal of, 769.
forceps for removal of, (346).
glass, 770.
lead, (1411).
orbital, (346).
 wood, (1059).
tolerated, (1409).
war, see under war.
- gases, (571), (804).
lewisite, (342).
mustard, (343), (803).
 avascular healing of, (698).
gunshot, 529, (1299).
- head, 773.
 late concussion syndrome, retinal function in, (1291).
 ocular aspects of, 75, (793), (796).
 optic-nerve atrophy, 78.
- hyphemia, traumatic, (1302).
- industrial, (351).
 at air-craft plant, (341).
 under Argentine law, (1066).
 eye safety devices, (1189).
 first aid in chemical, (811), (1414).
 from flying objects, (805).
 n-butyl alcohol (butanol) keratitis, (802).
 prevention of blindness in, (812).
 toxic compounds, (810).
 treatment, (113).
iridocyclitis, traumatic, (233), 1193.
X-ray therapy in, (1298).
- of iris, aniridia, 533.
 iridodialysis, 533, 773.
 therapy with transplantation of preserved tissues preliminary to surgery, (111).
- of lens, dislocation, 529, (1057).
 lenticonus, traumatic, (1302).
- of lids, (343).
 burns, 70, 769.
 gunshot, (1410).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Injuries, (*continued*).
 of lids, (*continued*).
 inner angle, (344).
 with ptosis present, 773.
 repair, see Lids.
 technique of suturing, 771.
 of macula, hole in, from ocular contusion, 1027.
 nasal sinuses, (114).
 nasolacrimal apparatus, 761.
 optic nerve, secondary to orbital-wall injuries, (1407).
 orbital, blunt trauma, ocular consequences, (1058).
 gunshot injuries of, (1413).
 stab, 775.
 war, see under war.
 penetrating, 774, 1212.
 intraocular pressure in, (1399).
 and see under war.
 perforating, (111), 263, 327, 529, 914, (1059).
 histologic notes on, (697).
 penicillin in, 380.
 therapy, (1408).
 quadrantonopia, traumatic, 760.
 of retina, following compression of chest, (112).
 detachment, 539.
 retinitis associated with burns, (1301).
 war, see under war.
 of sclera, rupture with retinal detachment, 539.
 snake venom, (448).
 ultraviolet, (1058), (1409).
 visual-acuity loss, percentage, 769.
 visual-field loss, 773.
 vitreous, detachment, (1409).
 war, 1264, (1300), 1302.
 chemical agents, (571), (804).
 combating ocular hypertension in, (1410).
 corneal, conjunctival plastic procedures in, (112).
 enucleation in, (1411).
 inexpediency of evisceration in, (1186).
 Kuhnt's keratoplasty in, (1300).
 from land mines, (342).
 of nasal sinuses, (114).
 optic-nerve changes in, (1182), (1407).
 penicillin and, (803).
 orbital, (1058), (1182), (1185), (1186).
 penetrating wounds, (1059), (1185), (1414).
 plastic surgery in, (113), (1300).
 retinal-vessel changes from cranial injuries, (1412).
 surgeon's conduct in, (1187).
 survey of, (1301).
 transplantation of preserved tissues preliminary to surgery in, (111).
 trauma, 1112.
 Insulin for corneal ulcers, (1281).
 Iodide therapy for senile macular degeneration, 287.
 Iontophoresis in ophthalmic therapy, (925).
 Iridencleisis, see Glaucoma.
 Iridocyclitis, complicating cataract and retinal separation, (1177).
 Iridocyclitis, (*continued*).
 gonorrhreal, penicillin for, (435).
 and infected varicose ulcer, (939).
 posttraumatic, 1193.
 traumatic, pathologic anatomy, (233).
 treatment, penicillin, (436).
 Iridopathy, diabetic, 617, (938).
 Iridoschisis with rupture of stromal threads, (1176).
 Iris, aniridia, 648.
 congenital, (436).
 treatment of poor vision in, 730.
 atrophy, essential, 539.
 glaucoma and, 744.
 coloboma, 766.
 cyst of, 1377.
 flocculi, 322.
 rubeosis of, diabetic, 123, (557), (938).
 tumors of, see Tumors.
 Iritis, associated with retinal detachment, (559).
 experimental, histopathologic changes in iris nerves, (1399).
 Jackson, Edward, 1, (349).
 Jaw-winking phenomenon, see Gunn's under Syndrome.
 Kalziphedrine therapy in conjunctivitis, (1394).
 Kayser-Fleischer ring, see Cornea.
 Keratitis, from alcohol ablutions, (232).
 dendritic, associated with chronic malaria, 1309.
 desiccation, (230).
 disciform, from accidental vaccinia, (695).
 from vitamin-B₁ starvation, (1396).
 Groenouw's, keratoplasty for, (1045).
 herpes simplex in malaria, (935).
 interstitial, at early age, (937).
 with intracorneal hemorrhage, 534.
 nonsyphilitic, with ear symptoms, (936), 1154.
 treatment, riboflavin, (1283).
 sulfanilamide failure in congenital, (98).
 neuroparalytic, (556).
 punctate, of onchocercosis, (1063).
 rosacea, from vitamin B₁ insufficiency, (1396).
 rosacea-like tuberculide with, 1025.
 tuberculous, see Tuberculosis.
 Keratoconjunctivitis, associated with Nocardia, (227).
 eczematous, decline of, (1393).
 kalziphedrine for, (1394).
 epidemic, 86, (430), (684), (1045).
 causative agent of, 823.
 successful treatment of, (1392).
 herpetic, 823.
 sicca, 909.
 endocrine treatment of, 646.
 Keratoconus, (688), (937), (1283).
 with blue scleras in sisters, (1395).
 Keratoplasty, in Groenouw's keratitis, (1045).
 Kuhnt's, (1300).
 partial penetrating, 1264.
 in serpiginous and purulent corneal ulcer, (1395).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Knife-hook for section of recti muscles in enucleation, (107).

Krukenberg spindle and annular pigmented band on lens periphery, (688).

Lacrima, bacteriolysis produced by lysozyme action of, electron microscope observation, (1389).

Lacrimal canaliculi, cystoid degeneration of, causing chronic conjunctivitis, 400.

mycotic infection of, (799).

obstruction of, (238).

plastic repair, 1375.

Lacrimal caruncle, supernumerary, (800).

Lacrimal ducts, diverticulitis, (799).

restoration of patency with vitallium tube, 1340.

Lacrimal ductules, resection of, 1375.

Lacrimal gland, leprotic lesions in, (799).

Lacrimal passages, surgery of, (445).

streptothrix of, (1297).

Lacrimal puncta, operation on, (696).

Lacrimal sac, diseases of, (239).

foreign body in, 754.

infection of, drainage for, (109).

intranasal drainage of, 538.

malformation of pre-, (238).

Lacrimation, excessive, operation, 1374.

reflex, (109).

Lacrorrhinoplasty, (445), (446).

Lactation, optic neuritis during, (1291).

Lagos, ophthalmology in, (1068).

Lawrence-Moon-Biedl syndrome, see Syndrome.

Lens, in accommodation, 38.

bovine, cytochrome oxidase activity of, (1069).

in diabetes mellitus, (689).

dislocation of, 910.

congenital, 663.

into vitreous, (789).

extraction, 1335.

with voluntary control, 193.

epithelium, effect of X rays on, (1287).

exfoliation of capsule, senile, (438).

hemorrhage into, 534.

injuries, see Injuries.

opacities, punctate, in young lenses, (788).

with clearing after dental interference, (1286).

pigmented band, on periphery of, (688).

on retroiridal region of, (688).

and see Cataract; and see Abstracts, section nine.

Lenses, see Spectacle lenses.

Leprosy, ocular, (230), (799).

Leptospirosis icterohemorrhagica, optic neuritis in course of, (1293).

Leslie Dana award to Dr. William Zentmayer, 1071.

Lids, blepharitis, marginal, penicillin therapy, (1296).

and mercurochrome, (1056).

blepharospasm, essential, 413.

coloboma of, 908.

ectropion, with bilateral ptosis, (340).

Lids, (continued).

ectropion, (continued).

ichthyosis in child, homoplastic surgery of, (1297).

senile, operative treatment, (1297).

edema of, in trichinosis, (1297).

efficiency of glare reduction by, (1279).

everter, 198.

infections of, superficial, penicillin therapy, (219).

Marcus Gunn phenomenon, see under Syndrome.

plastic correction of cicatricial shortening of, (1184).

ptosis, acquired, 1073.

bilateral, with atypical slant eyes and syndactyly, etc., 651.

operations for, resection of levator palpebrae muscle, (1184).

sling, (1404).

reconstruction of, (110), (340), (343), 886, 980, 1203, (1300), (1409).

for epithelioma of margin, (109).

when to do? (237).

whole-thickness skin grafts, 73.

syphilis of, see Syphilis.

trichiasis, homoplastic surgery for, (1297).

tumors of, see Tumors.

vaccinia of, (695).

Lightning injury of eye, 195.

Lipochondrodytrophy, (572).

Liver function and dark adaptation, (442).

London, trachoma ends in, (118).

Los Angeles Society for Ophthalmology and Otolaryngology, 904, 1148, 1263.

Los Angeles Study Club, 333.

Lymphangioma cavernosum of conjunctiva and buccal mucous membrane, (1406).

Lymphoma of orbit, 757.

Macula lutea, changes in, due to solar radiation, 1115, 1158.

coloboma, 1031, 1152.

degeneration, disciform juvenile, 965.

hereditary, 1149.

senile, iodide therapy for, 287, (563).

macular holes superimposed upon, 1027.

fovea centralis of, differential sensitivity, (426).

viewed through stereoscopic ophthalmoscope, (791).

Magnet, see Injuries..

Malaria, dendritic keratitis with, 1309.

herpes-simplex keratitis in, (935).

ocular involvement in, (808).

retinal hemorrhage complicating, (235).

Malingering, ocular, 148.

objective adaptometry in discovering, (1401).

uncorrected visual acuity of, (675).

Marcus Gunn phenomenon, see Syndrome.

Marfan's syndrome, see Syndrome.

Massachusetts, study of indigent blind in, (575).

Measles, German, see Rubella.

metastatic uveitis a complication of, (436).

Meckel's ganglion, neuralgia referable to, (1060).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Medical care, nationalized, 778.
prepayment of, 780.
of soldiers, see under Editorials; and see war under Injuries.

Medical journals in war time, 921.

Medicine, the romance of, 94.

Megalocornea, 1352.

Megalophthalmos, anterior, and arachnodactyly, 315.
hereditary, 1368.

Melanoblast, neoplastic activities of, 907.

Melanoma, of choroid, malignant, 326, 1370.
effect of diathermy on, (568), (569).

epibulbar, 89.
of eyeball, 78.

Melanosis, 1153.

Memphis Society of Ophthalmology and Otolaryngology, 530, 533, 756, 1374.

Meningioma, sphenoidal ridge, 1371.
suprasellar, with field defects, 1377.

Methyl cellulose, (1170).

Mexico, medical Spain in, 214.

Microphthalmos, hereditary, in rat, (796).

Microscope, electron, bacteriolysis observed by, (1389).

Microsporon audouini, infection of lid, (109).

Migraine syndrome in decompression sickness, (106).

Mikulicz's syndrome, see Syndrome.

Miotics, proserin, (101), (1399).

Motility clinic, 407, 525.

Mucous membranes of head, pH of, 666.

Mules's operation, (1054).

Müller, Johannes, (574), (1064).

Muscles, comparison of oblique, (225).
deviations, precision errors in measurement of, (1392).
prism measurement of, (1391).
effect of faradically induced currents on extrinsic and intrinsic, (429).
injuries, see Injuries.
oxygen consumption of, in thyroidectomized and thyroxin-injected guinea pigs, (428).
operations on, resection of, inferior oblique in hypotropia, 1226.
levator palpebrae for ptosis, (1184).
trochlea, (225).
tucking, repair following, 50.

paralysis of external muscles, (930).
divergence, (1392).
of external rectus, (226).
from general anesthesia, (1172).
of inferior oblique, 1266.
oculomotor, (429).
of superior oblique, (682), 1266.
of superior rectus, (682).
trochlear, 204.

paralysis of sphincter pupillae, 412.
test of, prism cover test, 397.

Mustard-gas lesions, see Injuries.

Myasthenia gravis (Erb-Goldflam disease),
ocular signs of, 13, (429), 756.
ophthalmoplegic form of, (108).

Mydriatics, dibutulene sulfate, (681).
hydrochloride of benzoyl-diethyl-amino-ethanol, (924).

Myelitis, neuro-optic, (795).

Myiasis, see Ophthalmomyiasis.

Myopia, high, scleral resection in, 517.
transient, from sulfanilamide, (925), (1391).
visual acuity and refractive error in, 1220.

Myxoma of lower lid, 68.

Nasal accessory sinuses, glaucoma and, (437).
ocular affections from, (805).
retrobulbar neuritis, (337), (694).

National Society for the Prevention of Blindness, 670, 1037.

Negro, eye of West African, (817).
partial albinism and nystagmus in the, (930).

Neurodermatitis, cataract with, 1151.

Neurofibromatosis (Recklinghausen's disease), of conjunctiva, (933).

Neuro-ophthalmology, 922.

Neuroses, ocular manifestation of war, (1402).

Nevus, flammeus, with glaucoma, (1178).
infantile, (234).

New England Ophthalmological Society, 208, 209, 1153.

New York Society for Clinical Ophthalmology, 74, 414, 537, 646, 769, 906, 1021, 1145, 1261.

News Items, 121, 241, 353, 449, 579, 699, 820, 942, 1071, 1191, 1307, 1416.

Night blindness, see Nyctalopia.

Night vision, see under Vision.

Nocardia, see Fungus.

Nurses, eye, ear, nose and throat manual for, 923.

Nutrition investigation, as affecting the eye, (806), (809).

Nyctalopia, (221).
training in Canadian Army, (222).
and vitamin A, (337).

Nystagmus, albinism and, in Negroes, (930).
and binocular vision, 392.
miners', demonstration of, (684).
from multiple sclerosis, 75.
with optic-nerve atrophy, 78.
unusual forms of, (684).
voluntary, (427).

Obituary—
Schoenberg, Mark J., 782.

Occluder, blank, case against, 784.

Ocular infections, see Infections.

Ocular movements, (224), (427), (682), (930), (1044), (1171), (1279), (1391).
disturbance of vertical, 204.
in electrical-shock procedure, (428).
mechanism of, (1053).
and see Muscles.

Onchocercosis, see Parasites.

Operations, table for, (220).
and see Surgery; and see Abstracts, section two; and see also under individual subjects, such as Cataract, Glaucoma, Retina, or the personal name associated with the operation.

Ophthalmia, Egyptian, see Trachoma.

gonorrhreal, (430).
penicillin treatment of, (932), (1176).
intraocular, (687).
intravenous, (932).
local, 520.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

- Ophthalmia, (*continued*).
neonatorum, (227), 323.
penicillin for, (933).
local, (687).
sulfonamides for, (934).
virus, (432).
snake-venom, (448).
- "Ophthalmic associates," 418.
- Ophthalmic artery, experimental injection of fluid into, (1049).
- Ophthalmic drugs of little value, 1386.
- Ophthalmodynamometer, observations on retinal blood flow with, 749.
- Ophthalmological institute of United Nations, (814).
- Ophthalmological Societies—
Chicago, 77, 411, 538, 661, 764, 908, 1024, 1149, 1368.
Colorado, 325, 528, 760, 905.
Los Angeles, 904, 1148, 1263.
Memphis, 530, 533, 756, 1374.
New England, 208, 209, 1153.
New York, 74, 414, 537, 646, 769, 906, 1021, 1145, 1261.
Philadelphia, 83, 655, 911, 1377.
Royal, 70, 322, 650, 1030, 1365.
St. Louis, 328.
Spanish, 1039.
in the United States, national, (575).
in Venezuela, **1018**.
- Ophthalmologists, a faculty of, (813).
in industry, (812), (813), (814), (817), (818).
making of, (809), (811), (1064).
optometry and, 668, 1271.
relationship to group practice, 416.
- Ophthalmology, (424).
antiquity of, (1066).
in Brazil, **398**.
contributions of Sanford R. Gifford to, (575).
drugs in, newer, (924).
penicillin, 208, (424).
sodium nicotinate as vasodilator in, (677), (1067).
electrotherapy in, (927).
fever therapy in, (218).
for the general physician, (116).
history of, in Archibald Church Library, (574).
- Hippocrates, (818).
refraction, Edward Jackson's place in, **1**.
Soviet, (116).
focal infection in, (1061).
future of, (816).
industrial, (818), 919.
and see Industry.
- iontophoresis in, (925).
in Lagos, (1068).
methyl cellulose in, (1170).
metric system in, 1274.
military, 203, (570).
British, (349), (810).
plastic surgery in, (113).
neuro-, 922.
in Paris, 95, **1088**.
short-wave therapy in, (1043).
statistics in 1500-bed cantonment-type hospital, (810).
- Ophthalmology, (*continued*).
teaching of, (811), (812), (816).
postgraduate, (811).
postwar, 1035.
therapeutic principles and rules of, (677).
thyrotoxicosis in, (444), (445).
tissue therapy in, (1042).
visual exercises in, (1390).
vitamin B₁ in, (1400).
vitamin P in, (219).
- Ophthalmomyiasis, *Dermatobia cyaniventris*, (1062).
Oestrus ovis, (573).
- Ophthalmoplegia, in bulbar encephalitis, (1403).
diabetic, (1279).
external, 88.
chronic, 663.
and incipient cataract, from naso pharyngeal cancer, 1150.
result of osteomyelitis of jaw, 1026.
internal, luetic, subsalicylate of bismuth for, 99.
of myasthenia gravis, (108).
nuclear, progressive, 538.
- Ophthalmoscope, monochromatic, (217).
stereoscopic, fovea and macula viewed through, (791).
- Ophthalmoscopy, binocular and red-free, 725, (1169).
and diagnosis of human illness, 139.
in hypertensions, (235).
- Ophthalmotonus, effect of retrobulbar anesthesia on, (925).
- Optic canal, surgery of, (793).
- Optic chiasm, see Chiasm.
- Optic nerve and toxic amblyopias, (105), (337), (564), (694), (793), (1051), (1182), (1291), (1402).
- Optic-nerve atrophy, bilateral, 78.
blindness from eating "finger cherries," (565).
following crushed chest, 207.
hereditary, (1402).
after intestinal hemorrhage, (564).
toxic, quinine, (1291).
- Optic nerve, avulsion of, 646.
defects, after orbital injury, (1182).
degenerated, oxygen consumption of, (119).
disc, anomaly, 205.
choked, due to intracranial venous obstruction, (795).
following total sympathectomy, 541.
in torulosis with Hodgkin's disease, (564).
uveoparotid fever with, 1252.
- coloboma, 760.
congenital pigmentation of, complete, 377.
deep excavation of, without high tension, (1399).
- disease, traumatic, electrical sensitivity of eye in, 363.
- fibers, aberrant, (1051).
myelinated, (1051).
in cat, (819), (820).
- injuries, see Injuries.
- syphilis and the, (793).
- tumors of, see Tumors; and see Brain.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts.

Optic neuritis, acute, 411.
 choked disc in, (106).
 retrobulbar, 528.
 bilateral, in hypoparathyroidism, 658.
 in Chengtu, (1292).
 during lactation, (1291).
 in leptospirosis icterohemorrhagica, (1293).
 a pathognomonic sign, (105).
 sinus, (337), (694).

Optic-tract fibers, arrangement of, in cat, (577).

Opticians, British, professional claims by, 548.

Optics, physiological, in U.S.S.R., (350).

Optometric scales, (223).

Optometry, 668.
 bill to establish corps in medical department of U. S. Army, 1271.

Orbit, actinomycosis of, (1294).
 cellulitis of, with cerebral symptoms, (568).
 penicillin for, (108), 914.

hydatid cyst in, (1295).

infection, due to *Torula histolytica*, (1279).

plastic repair, 1017, (1148), 1346.
 Esser-Wheeler technique, (1296).
 and see Abstracts, section thirteen.

Oregon, program for visually handicapped, (1064).

Orthoptic treatment, 329, (1390), (1415).
 for amblyopia, (428).
 fictions and misconceptions in, 890.
 permanence of, 999.

Osler's disease, localized beneath conjunctiva, (1394).

Oxygen consumption, of degenerated optic nerves, (119).
 of eye muscles of thyroidectomized and thyroxin-injected guinea pigs, (428).

Pain, head and face, (1168).

Pan-American Congress of Ophthalmology, (117).

Pan-American Notes, 240, 941, 1305.

Panophthalmitis, sulfonamides for, (695).

Papilla, see Optic nerve.

Papilloma of conjunctiva, recurrent, 751.

Papilloretinitis in arterial hypertension, (1289), (1290).

Parasites, *Cysticercus cellulosae*, (448).
 filaria, 960, (1414).
Onchocerca, (116), 624, 962, (1061), (1062), (1063), 1269, (1414).

Oestrus ovis, (573).

Plasmodium, 958.

thelazia, (1303).

Trypanosoma, (106), 959.
 and see Abstracts, section seventeen.

Paré, Ambrose, on the eye, (573).

Paris, ophthalmology in, during war, 95, 1088.

Pemphigus, ocular, 206, 909, (931).

Penicillin, (424), (924).
 adrenalin as inactivator of, (1278).
 in cavernous-sinus thrombosis, (107), 648.
 distribution of, in eye, (928).
 in ocular infections, 183, 208, (676), (925), (926), (927), (1278), (1280), (1388).
 blepharitis, (1296).
 corneal abscess, 64.

Penicillin, (*continued*).
 in ocular infections, (*continued*).
 corneal ulcer, septic, local application, (1174).
 endophthalmitis, 191, (1285).
 gonorrhreal, choroiditis, (1176).
 conjunctivitis, (932).
 iridocyclitis, (435).
 locally, 520, (689).
 neonatorum, (227), (687), (933).
 ineffective for Koch-Weeks ophthalmia, (1280).
 iridocyclitis, (436).
 orbital cellulitis, (108), 914. plastic corneal bath for use of, (1173). prophylaxis in deep corneal infection, (803). superficial, of eyes and lids, (219), (803). syphilitic iritis, 1379. uveitis, 380, 852. vitreous, (926), 1023, (1402). experimental, ectogenous, (105). penetration of, into eye, (676), 1377. in perforating ocular injuries, 380, (803). simultaneous application with sulfaacetimide, (221). used topically, 173.

Periarteritis nodosa affecting the eye, (1181).

Perimetry, afterimage, (676). quantitative, in neurosurgical diagnosis, (801).

Philadelphia, see College of Physicians of.

Photography of fundus, in retinal detachment, (443).

Photometer for measuring scotopic candle-powers of self-luminous test objects, (681).

Physician, general, pitfalls of, in ocular diagnosis, (116). returned ex-medical officer, 1382.

Physiologic optics, refraction, and color vision, (221), (426), (677), (928), (1044), (1171), (1279), (1390).

Pituitary disease, blindness from, 760. resembling Lawrence-Moon syndrome, 758.

Plastic surgery, see Surgery; and see under the various tissues and adnexa.

Plasmoma of conjunctiva, (686).

Polarization, functional, in retinal development, (576).

Polycoria, (557).

Polycythemia, bilateral lens extraction in, (336).

Pregnancy, ocular changes in, (102), (1292).

Presbyopia, gas-mask wafer for, (426).

Prisms, see Spectacle lenses.

Proserin, see Miotics.

Prothesis, (237). acrylic maxillofacial, (567). collapse of glass, (1054). disfiguring, correction, (1403). early wearing of, (1187).

Pseudobuphtalmos, 911.

Psychogenic origin of ocular symptoms, (566).

Psychology and eye exercises, 91.

Pterygium, chemical nature of, 303. treatment, modified McReynolds's, (1045). transplantation, (686).

Ptosis, see Lids.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Pupil, dilatation of, in anoxia, (938). movements, voluntary, 523. persistent membrane, 80, 1368. pupillotonia, Adie's, see under Syndrome.

Quinine amblyopia, with spontaneous detachment, (1291).

Radium therapy of ocular new growths, 907. Recklinghausen's disease, see Neurofibromatosis.

Refraction, 1385. astigmatism, (223). changes in, following sulfonamides, (223). clinic, 200, 404, 1259. correction of hyperopia, 419. cycloplegia, see Cycloplegia. Edward Jackson's place in history of, 1, (349). errors of, in Australian imperial forces, (350). retinoscopy, 318. test, (223). cabinet, 1138. visual acuity and, in myopia, 1220. Reinstatement of ex-medical officers, 1382. Reiter's disease, (689).

Retina and vitreous, (102), (235), (335), (438), (561), (690), (790), (1049), (1180), (1287), (1401). Retina, angioid streaks of, 601, (1049). with pseudoxanthoma elasiticum, circulatory disturbances with, 553. cells, structure of, (1402). changes of, blood dyscrasias in, (561). in diabetes, see Diabetes. cyanosis of, 80. cyst, rupture causing detachment, 324. degeneration of, familial (Stargardt's disease), (692). senile, (104). tapeto-, 79. development of, action of neutrons on, in rat, (819). polarization in, (576). similarity with brain wall, 943. fibroplasia in premature child, 79. function in late concussion syndrome, (1291). ghost rings on internal limiting membrane of, (564). hemorrhage in, complicating malaria, (235). in Eales's disease, (792). in endocarditis, penicillin therapy, 1022. punctate, in diabetes, (691). lesions of, 1030, 1031. macula, see Macula lutea. nerve head, partial ectasia of, (691). photography of, see Photography. pigment, grouped in macular coloboma, (1050). influence of hypophysis and suprarenal gland on, (577). rents in, see Retinal detachment. tuberculosis of, see Tuberculosis.

Retinal blood vessels, aneurysm, (693). congenital, (693). micro- and punctate hemorrhages in diabetes, (691).

Retinal blood vessels, (continued). arteries, aneurysms of, 659. central, closure of, antivitamin-K therapy of, (1288). embolism, (104). changes of, in hypertension, (790). narrowing, 528. obstruction of branch, 536. pressure of, in allergy, (1049). in prognosis of hypertension, (1287). blood flow, observed with Kukán's ophthalmodynamometer, 749. veins, attenuation of, 528. central, occlusion, 767. thrombosis, (438), 536, 651, 840. dicumarol therapy, 1374. pathology, (561). X-ray treatment, (1288). changes of, in diabetes, (790). in multiple sclerosis, (1402). Retinal circulation, development, 414, 1165. carotid sinus and, (1290).

Retinal correspondence, anomalous, 58, 472, (930).

Retinal detachment, (337). in aphakia, (443), (692). causes, (792). in childhood, 206. clinical and technical considerations, (790). elevated tension with, 1366. holes (rents, tears), localization of, errors in, (1401). multiple, 1373. spontaneous, without detachment, 534. lens changes complicating, (559), (563). questionable, 327. quinine amblyopia with, (1291). spontaneous reattachment, (562). treatment, (563). diathermy, (104), (337), (440), 1370, 1373. eyeball shortening, (792). instrument and technique for, (791). separator for, (692). ophthalmoscopic examination during, (691). results, (439), 1031. return of macular function, 1370. vitreous hemorrhage in, (692). when to operate, (690).

Retinitis, circinate, (104). diabetic, see Diabetes. exudative, Coats's, diathermy for, (104). hemorrhagic, 1366. or Von Hippel's, 764. gummatus, 766. pigmentosa, (441), 663, 1151. proliferans, chorioretinitis with, 1029. in diabetic retinopathy, 765. punctata, albescens, 1030. solar, macular lesions in, 1158.

Retinoblastoma, see Glioma.

Retinometric loupe, (422).

Retinopathies, circinate, (563). and encephalopathies in cardiovascular disease, (104). diabetic, see Diabetes. massive, exudative, 1368.

Retino-pituitary reflex, anatomic investigation of, (1069).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Retinoscopy, see Refraction.
 Retinosis, allergic, 1323.
 of pregnancy, (102).
 Rhodomyrtus macrocarpa, blindness after eating, (565).
 Riboflavin, see Vitamin B.
 Roentgen ray, see X ray.
 Royal Society of Medicine, Section of Ophthalmology, 70, 322, 650, 1030, 1365.
 Rubella in mother, congenital cataract after, 186, (1287), (1400).

Saint Louis Ophthalmic Society, 328.
 Sanarelli-Schwartzman phenomenon, eye and, (1060).
 Sarcoidosis, with retinal involvement, (103), (334).
 with uveoparotitis and dacryoadenitis, 1010.
 Sarcoma, or iris, 530, 760.
 of orbit, (1405).
 Schiøtz, see Tonometer.
 Schoenberg, Mark J., 782.
 Sclera, abscess, (1282).
 blue, with bony defects, (1282), (1395).
 keratoconus with, (1395).
 episcleritis, 532, 763.
 flaccidness and resilience of cornea and, 900.
 resection in high myopia, 517.
 tuberculoma of, (1284).
 Scleritis, 532.
 Sclerokeratitis, leprosy, (230).
 Sclerosis, multiple, early ocular symptoms of, 640.
 sheathing of retinal veins in, (1402).
 visible retinal arteriolar spasm with, (103).
 Scotoma, from branch thrombosis of left middle cerebral artery, (1294).
 from lesion of occipital lobes, (1052).
 ring, 1151.
 Short-wave therapy, (1043).
 ultra-, effect on ocular inflammations, (1389).
 Sight-saving classes, (680).
 Silva, Rafael, (1065).
 Simulation, see Malingering.
 Sinuses, see Nasal accessory sinuses.
 Slide rule, ophthalmic, (1277).
 Snake bite, ocular injury from, see Injuries.
 Sociedad Oftalmologica Hispano-Americana, 1039.
 Socket, repair of, 662.
 electrocoagulation, (1186).
 rubber form for, 1260.
 Sodium isotope ions, entrance into aqueous humor, (234).
 Sodium nicotinate as vasodilator in ophthalmology, (677).
 Sodium sulfacetamide (albucid soluble), effect of detergent on penetration of, (1043).
 Soviet, see U.S.S.R.
 Spectacle lenses, acceptable practices for dispensing, 211, 546.
 apparent movements of immobile objects seen through, (1044).
 in breathing mask (gas mask), (1171).
 catmin, 993.

Spectacle lenses, (*continued*).
 for combat, (680).
 contact, in mustard-gas keratitis, (343).
 dark, reason for, (1390).
 prisms, clinical use of, (1391).
 standardization of, (1172).
 Stähli's line, (937).
 Staphylococcus, development of autosensitization in infections of, 1147.
 infections, 1022.
 Stargardt's disease, (692).
 Strabismus, (225).
 in adults, (226).
 alternating, bilateral surgery in, 1155.
 convergent, concomitant, (225).
 sudden onset of, 407.
 pathologic physiology of, (1171).
 divergent, with anomalous retinal correspondence, 472, (930).
 intermittent (facultative), 525.
 familial spastic paresis, (224).
 hereditary, 898.
 in cattle, (428).
 measurement of, precisional errors in, (1392).
 prisms for clinical, (1391).
 treatment, in childhood, (683).
 failure in, 1123.
 nonoperative, orthoptics, (1415).
 and see Orthoptics.
 operative, results for convergent, (1044).
 sutures, buried silk, catgut, (683).
 and see Muscles.

Streptothrix of lacrimal passages, (1297).
 Streptocide, for anterior-segment affections, (1394).
 for trachoma, (1393).
 Sulfadiazine for dacryocystitis of newborn, (696).
 Sulfanilamide, albicide, accommodation spasm from? (1390).
 transitory myopia from, (1391).
 treatment of, burns, (1410).
 corneal ulcers, (1397).
 trachoma, (1393).
 for ocular disease, (98), (1170).
 transient myopia and disturbance of accommodation from, (925).
 Sulfapyridine, for dacryocystitis, (1184).
 in serpiginous ulcer, (1283).
 Sulfathiazole, sensitivity to, ocular, 756.
 Sulfidine, see Sulfapyridine.
 Sulfonamide therapy, clinical effects of local use, 497.
 for ocular infections, (220).
 ophthalmia neonatorum, (934).
 panophthalmitis, (695).
 trachoma, (933), (935), (1280).
 azo-sulfonamide (G.33), (1280).
 of vitreous, 1023.
 Surgery, ocular, (424).
 anesthesia in, (928).
 details in, (927).
 hexenal narcosis in, (1169).
 plastic, (345).
 and see under various tissues.

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Surgery, ocular, (*continued*).
 prophylaxis in, (235).
 transplantation of tissue in, (1404).
 war, British mobile, (814).
 and see Operations.

Sutures, corneoscleral, for intraocular surgery, 912.

Sympathectomy, effect of, on corneal epithelium of rats, (434).
 hypertensive retinopathy, etc., following, 541.
 treatment of vascular hypertension, (439).

Sympathetic ophthalmia, 95, (233), 540, 776, (939), 1193.
 chemotherapy in treatment of, 187.
 recovery of both eyes, 530.
 serous form, (436).
 following subconjunctival rupture of the eyeball, 581, (939).

Syndrome, Adie's, (557), (938), (1285).
 Behcet's (Bechtsched), (232).
 Duane's, 75, (226), (427), (1056).
 commotion-contusion, eye syndrome in, (1293).
 Foster Kennedy, (106), (659).
 Gunn's, 75, 655.
 Heerfordt's, (939).
 Hunt's, 762.
 Lawrence-Moon-Biedl, (807), (1050).
 Marfan's, (102), (412), 1134.
 Mikulicz's, 412, 1369.
 nonsyphilitic interstitial keratitis with vestibuloauditory symptoms, (936).
 orbital apex, 1026.
 Plummer-Vinson, (1180).
 postencephalitis, 75.
 posttraumatic, leading to enucleation, 1193.
 Sjögren's, (1173).
 sphenoid-fissure, 1026.
 Sturge-Weber-Osler-Dimitri, 543.
 Terson's, (1050).
 Vogt-Koyanagi, 1028, (1177), (1284).
 Weber's, 75.

Syphilis, as cause of dacryocystitis, 511.
 experimental, development of immunity, (432), (433).
 ocular, conjunctival, (932).
 iritis, Herxheimer reaction and response to therapy, 1379.
 tarsal, 1372.
 and the optic nerve, (793).

Systemic diseases and parasites, (115), (348), (448), (572), (805), (1060), (1188), (1303), (1414).

Tears, see Lacrima.

Teeth, see Focal infection.

Tenon's capsule, (119).

Tension, ocular, see Glaucoma.

Tetanus, late, (1299).

Therapeutics and operations, (218), (220), (422), (676), (924), (1042), (1169), (1278), (1388).

Thrombophlebitis, ophthalmico-cavernous, (797).
 Thrombosis, cavernous sinus, penicillin treatment of, (107).
 with dicoumarin, 648.

Thrombosis, (*continued*).
 of central retinal vein, (438), 536, (561), 651.
 and choroidal and optic-nerve vessels, 840.
 of left internal jugular vein, papilledema from, (795).
 of temporal branch of left middle cerebral artery, (1294).

Thyroid disease, exophthalmic, (566), (798).
 eye changes in, (568), (798).
 in ophthalmology, (444), (445).

Thyroidectomy, effect of, on prominence of eyes in guinea pig and man, (1295).

Tissue therapy, (1042), (1278).

Tonometer, standardization of Schiøtz, 34, 769.

Toxoplasma, chorioretinitis with, (99), (1397).
 Toxoplasmosis, (806), (808).
 ocular, 541, 542.

Trachoma, blindness from, in West China, (1304).
 in Bolivia, (117).
 campaign, in Brazil, prophylactic, (1064).
 among potential recruits in Turkmenia, (1304).
 in Central China, (1065).
 in Chengtu Eye, Ear, Nose and Throat Hospital, (1304).
 corneal ulcer with, (434).
 epidemiology, endemic indices in, (1281).
 evaluation of, (229).
 freedom from, in London, (118).
 pannus of, Denig operation, (1393).
 in Russia, (118).
 treatment of, (230).
 combined mechanochemotherapy, (1281).
 penicillin, 1007, (1280).
 streptocide, (1393).
 sulfanilamide, (933), (935).
 albucide, (228), (1393).
 sulfonamides, (1280).
 virus, and morphology of inclusion bodies, 282, 672.
 susceptibility of grivet to, (228).
 in West African Negroes, (1066).

Trichiasis, see Lids.

Trichinosis, edema of lids with, (1297).

Tropics, eye disease in, (808).

Tropophorometer, Quereau-Putnam, (683).

Trypanosomiasis, ocular changes in, (106), 959.

Tuberculoma, (806).

Tuberculosis, ocular, (1063), 1261.
 of choroid, 763.
 of conjunctiva, (935), 1261.
 of cornea, 1261, 1371.
 retinal, 1261.
 lipotropic effect of choline on, 902.
 primary, (336).
 treatment, (219), (676).
 uveal, 1261.
 uveitis in allergy of, (557).

Tuberculoma of sclera, (1284).

Tularemia, oculoglandular, (1280).
 due to yeastlike organism, (1394).

Tumors, (110), (340), (447), (568), (800), (1056), (1298), (1405).
 of anterior chamber, carcinoma, (1056).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Tumors, (*continued*).
 of brain, see Brain.
 of choroid, carcinoma, 325.
 metastatic, (340).
 from lip, 1256.
 melanoma, 326, 1370.
 effect of diathermy on, (568), (569), (1405).
 of ciliary body, 765.
 of conjunctiva, bothriomycoma, (1407).
 lymphangioma cavernosum and buccal mucous membrane, (1406).
 papilloma, 751.
 plasmoma or plasmocytoma, (686).
 epibulbar, dermoid, (322).
 melanosarcoma, 89.
 of eye, intraocular, diagnosis of, 297, (568).
 melanoma, 78.
 nonsurgical treatment of, 907.
 of iris, epithelial, (110).
 removal of, 1032.
 sarcoma, 530, 760.
 of lids, (447).
 angioma of, 1150.
 capillary hemangioma, 1150.
 cornu cutaneum, (801).
 epithelioma, (109), 209.
 myxoma, 68.
 surgery of, 209.
 tricho-epithelioma, 189.
 of limbus, epithelioma, 1376.
 teratoid, (110).
 of orbit, (340), 765.
 angioma, 1150.
 benign, 905.
 cholesteatoma, (447).
 diagnosis of, (800).
 hydatid cyst diagnosed sarcoma, (1056).
 lymphoma, 757.
 retro-, (801), (1405).
 sarcoma, (1405).
 of retina, angiomatosis, (341).
 glioma, 79, (341), (447), 764, (1405).
 treatment of, bilateral, (1298), (1406).
 X-ray, (1298).
 sarcoid, Boeck's, (334).
 of sclera, tuberculoma, (1284).
 Typhoid-vaccine therapy, (423).
 Typhus, spotted, conjunctival exanthem in, (684).

United Nations, a central ophthalmological institute for, (814).
 U.S.S.R., ophthalmology in, (116), (117).
 physiologic optics in, (350).
 Uvea, significance of vessels in interlamellar area of, (1045).
 Uveal tract, sympathetic disease, and aqueous humor, (99), (232), (334), (435), (557), (688), (938), (1045), (1175), (1284), (1397).
 Uveitis, (808), (1171).
 and alopecia, etc., see Vogt-Koyanagi under Syndrome.
 chronic, 1021.
 metastatic, ending in phthisis bulbi, from measles, (436).
 nonspecific, penicillin in treatment of, 852.

Uveitis, (*continued*).
 penicillin in, 380.
 tuberculous, pathologic aspects of, 1261.

Vaccinia of eyelids, with disciform keratitis, (695).
 Venezuela, ophthalmology in, 1018.
 Vision, and accident repeaters, (574).
 of aviators, (335), (338), (810).
 binocular, theory of, 392.
 Bishop Berkeley's theory of, (815).
 color, anomalies in, (929).
 defective, see Color blindness.
 tests, aviators, (810).
 Stilling-Hertel charts, (1391).
 and see Color blindness, Visual fields, Perception, and Abstracts, section three.
 colored, from digitalis, 373, 639 (694).
 defective, in aniridia, cause and treatment of, 730.
 in selectees, (811).
 by the Snellen test, (575).
 vocational aptitudes for, (351).
 dominance of, (928), (929).
 energy and, (680).
 improvement of, by exercises, 91, (222), (1390), (1415).
 night, (335), (440), (441), (442), (443), (1388).
 partial loss of, unocular, see Compensation, photopic, (338).
 problems of military students with heavy academic loads, (1064).
 and see War; and see Visual acuity; and see Abstracts, section three.
 Visual acuity, influence of divergent strabismus on, 525.
 loss of, from ocular injuries, 769.
 at low brightness levels, (440).
 in malingerers, (675).
 and refractive error in myopia, 1220.
 tests of, aviators, (810).
 and see Aviators.
 cabinet for, 1138.
 children, trial frame for, 403.
 symbols for, 701, (1044), (1168).
 Visual apparatus, charts for recording lesions affecting, (1169).
 of invertebrate animals, (1069).
 Visual cells, functional significance of, (678).
 Visual exercises in ophthalmology, see Vision.
 Visual fields, central, value of, compared with conventional type of study, (334).
 change in, in glaucoma, 531.
 contraction, in head injury, (1293).
 defects in cases of suprasellar tumor, 1377.
 homonymous extinction of, (1051).
 interpretation of, in neurotic patients, (1277).
 restricted, questionable hysteria, 906.
 Visual tracts and centers, (106), (235), (338), (444), (565), (694), (793), (1051), (1182), (1293), (1402).
 Visual thresholds in anoxia, (426).
 Vitamins—
 A, dark adaptation and blood level of, (442).
 B₁, clinical significance of, (1400).
 deficit, (806), (1303).

Explanation: Numbers in heavy type refer to original articles, parenthetic numbers to abstracts

Vitamins, (*continued*).
deficit, (*continued*).
A, maternal, malformations in eyes of offspring, (577).
ocular manifestations of, (442).
B, corneal disease from, (1396).
B_a, 243.
cataract in rats, (1303).
keratitis from, (1396).
vernal conjunctivitis, (1303).
therapy, A, (442), (688).
B, for angular conjunctivitis, (230).
heredoluetic interstitial keratitis, (1283).
in Plummer-Vinson syndrome, (1180).
rosacea keratitis, (1396).
C, for senile cataract, (102).
P, (219).
Vitiligo, etc., with uveitis, see Vogt-Koyanagi under Syndrome.
Vitreous, detachment, posterior, (1049).
hemorrhage, in Eales's disease, (792).
following subarachnoid hemorrhage, see Terson's under Syndrome.
in retinal-detachment operation, (692).
hydrogen-ion concentration, in living eye, (692).
infection, chemotherapy in, 1023, (1402).
ectogenous, experimental, penicillin treat-
ment of, (105), (926).
lens dislocation into, (789).
extraction, 1335.
opacities, pathogenesis and treatment, (1289).
and see Abstracts, section ten.
Vogt, X-ray localization, 207.
Vogt-Koyanagi syndrome, see Syndrome.
Von Hippel's disease, see Retinitis.
War, medical officer returns from, 1382.
neuroses, ocular, (1402).
ophthalmology in, (570).
surgery of the eye, (814).
and see Aviators; and see Injuries.
Wernicke's disease, 596.
X-ray, cataract, 1375.
effect of, on lens epithelium, (1287).
examination, Vogt localization, 207.
therapy, in ocular disease, neoplastic, (447), 907, (1298).
retinal-vein thrombosis, (1288).
traumatic iridocyclitis, (1298).
Zinc sulphate collyrium, preservation of, (220).